

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: <b>ML-48389 (BHL)</b>	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: <b>Drunkards Wash UTU67921X</b>	
2. NAME OF OPERATOR: <b>ConocoPhillips Company</b>		9. WELL NAME and NUMBER: <b>Utah 29-575D</b>	
3. ADDRESS OF OPERATOR: <b>P.O. Box 51810</b> CITY <b>Midland</b> STATE <b>Tx</b> ZIP <b>79710</b>		10. FIELD AND POOL, OR WILDCAT: <b>Drunkards Wash</b>	
4. LOCATION OF WELL (FOOTAGES) <b>495643x 4360144y 39.392659 - 111.050600</b> AT SURFACE: <b>1102.27 FNL &amp; 1936.16 FWL (NENW) 32-16S-8E</b> AT PROPOSED PRODUCING ZONE: <b>1057 FSL &amp; 1935 FWL (SWSW) 29-16S-8E</b> <b>495641x 4360802x 39.398589 - 111.058621</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 32 16S 8E</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>5.5 miles northwest of Huntington, Utah</b>		12. COUNTY: <b>Emery</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>1057 BHL</b>	16. NUMBER OF ACRES IN LEASE: <b>~640</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>160</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>~1500</b>	19. PROPOSED DEPTH: <b>5,221</b>	20. BOND DESCRIPTION: <b>Statewide</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>6860.8</b>	22. APPROXIMATE DATE WORK WILL START: <b>9/15/2007</b>	23. ESTIMATED DURATION:	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

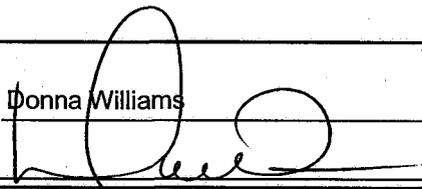
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H40 40.5#	60	
12 1/4"	9 5/8" J55/K55 36#	400	245 sxs G + 2% CC 1.16 cu ft/sk 15.8 ppg
8 1/2"	5 1/2" M80 15.5#	5,221	Lead: 35 sxs 35/65 G 14.2 ppg
			Tail: 110 sxs G 1.6 cu ft/sk
			DV @ 3776 TVD
			Lead: 515 sxs 35/65 14.2 ppg
			Tail: 100 sxs RFC G 1.6 cu ft/sk

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Donna Williams TITLE Sr. Regulatory Specialist

SIGNATURE  DATE 8/15/2007

(This space for State use only)

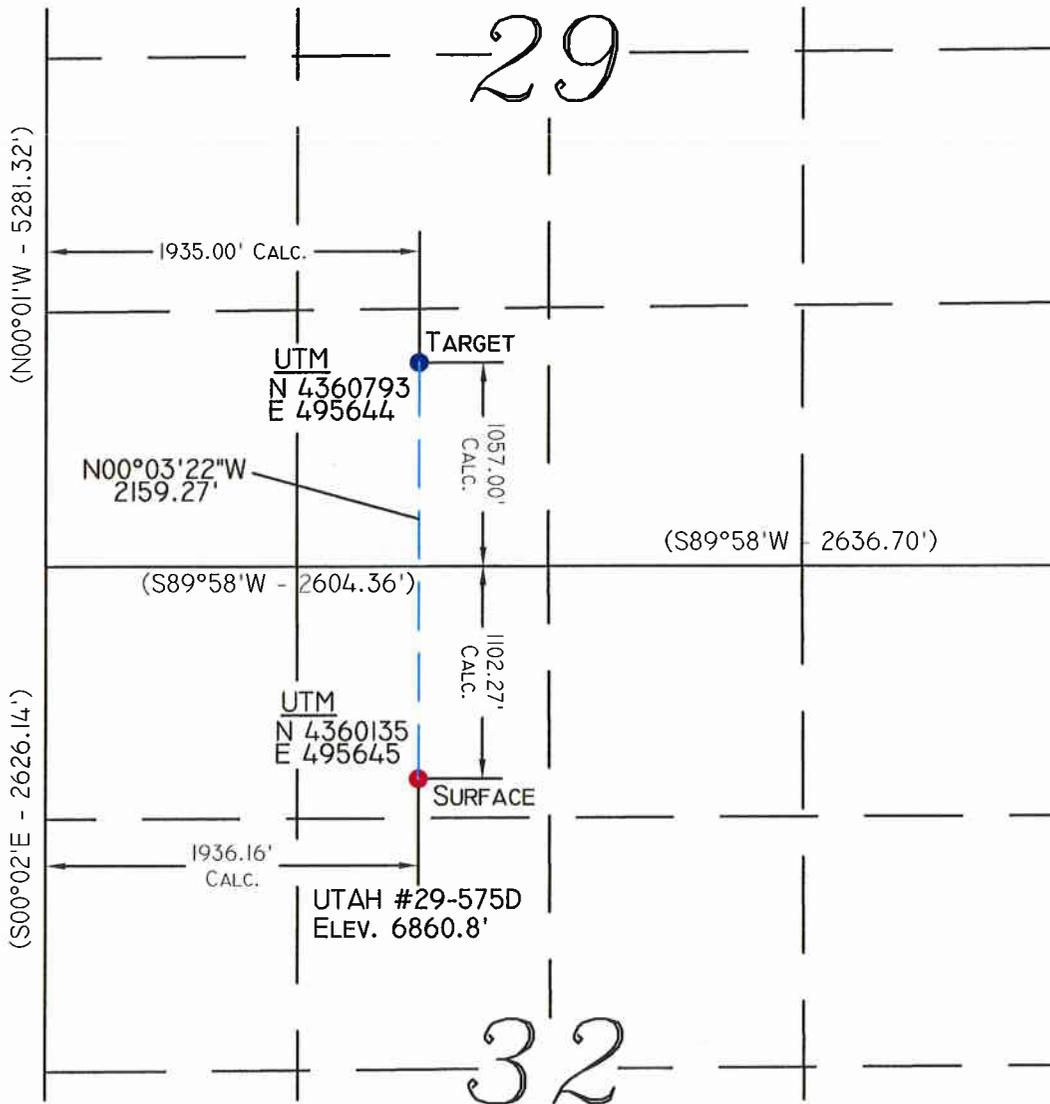
API NUMBER ASSIGNED: 43-015-30731

APPROVAL:

**RECEIVED**  
**AUG 20 2007**  
**DIV. OF OIL, GAS & MINING**

# Range 8 East

Township 16 South



**Location:**

The well location was determined using a Trimble 5700 GPS survey grade unit.

**Basis of Bearing:**

The Basis of Bearing is GPS Measured.

**GLO Bearing:**

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

**Basis of Elevation:**

Basis of Elevation of 6538' being at the Northeast Section Corner of Section 5, Township 17 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Hiawatha Quadrangle 7.5 minute series map.

**Description of Location:**

**Surface**

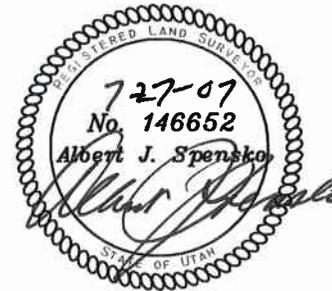
Proposed Drill Hole located in the NE/4 NW/4 of Section 32, T16S, R8E, S.L.B.&M., being South 1102.27' from North Line and East 1936.16' from West Line of Section 32, T16S, R8E, Salt Lake Base & Meridian.

**Target**

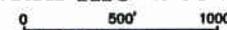
Proposed Target located in the SE/4 SW/4 of Section 29, T16S, R8E, S.L.B.&M., being North 1057.00' from South Line and East 1935.00' from West Line of Section 29, T16S, R8E, Salt Lake Base & Meridian.

**Surveyor's Certificate:**

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



**GRAPHIC SCALE**



( IN FEET )

1 inch = 1000 ft.

**Legend**

- Drill Hole Location
- Metal Cap (Found)
- Brass Cap (Searched for, but not found)
- Calculated Corner
- ( ) GLO
- GPS Measured

**NOTES:**

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

**SURFACE**

LAT / LONG	
39°23'33.272"N	111°03'02.062"W

**TARGET**

LAT / LONG	
39°23'54.617"N	111°03'02.119"W

**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talon@etv.net

**ConocoPhillips Company**

**WELL UTAH #29-575D**  
Section 32, T16S, R8E, S.L.B.&M.  
Emery County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J./A.J.S.
Drawing No. <b>A-1</b>	Date: 7/26/07
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 2967-B

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/20/2007

API NO. ASSIGNED: 43-015-30731

WELL NAME: UTAH 29-575D  
 OPERATOR: CONOCOPHILLIPS COMPANY ( N2335 )  
 CONTACT: DONNA WILLIAMS

PHONE NUMBER: 432-688-6943

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DUCD	9/27/07
Geology		
Surface		

SESW  
 NENW 32 160S <sup>72</sup> 080E  
 SURFACE: 1108 FNL 1928 FWL  
 BOTTOM: 1057 FSL 1935 FWL Sec 29  
 COUNTY: EMERY  
 LATITUDE: 39.39266 LONGITUDE: -111.0506  
 UTM SURF EASTINGS: 495643 NORTHINGS: 4360144  
 FIELD NAME: BUZZARD BENCH ( 132 )

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-48389  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: FRSD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

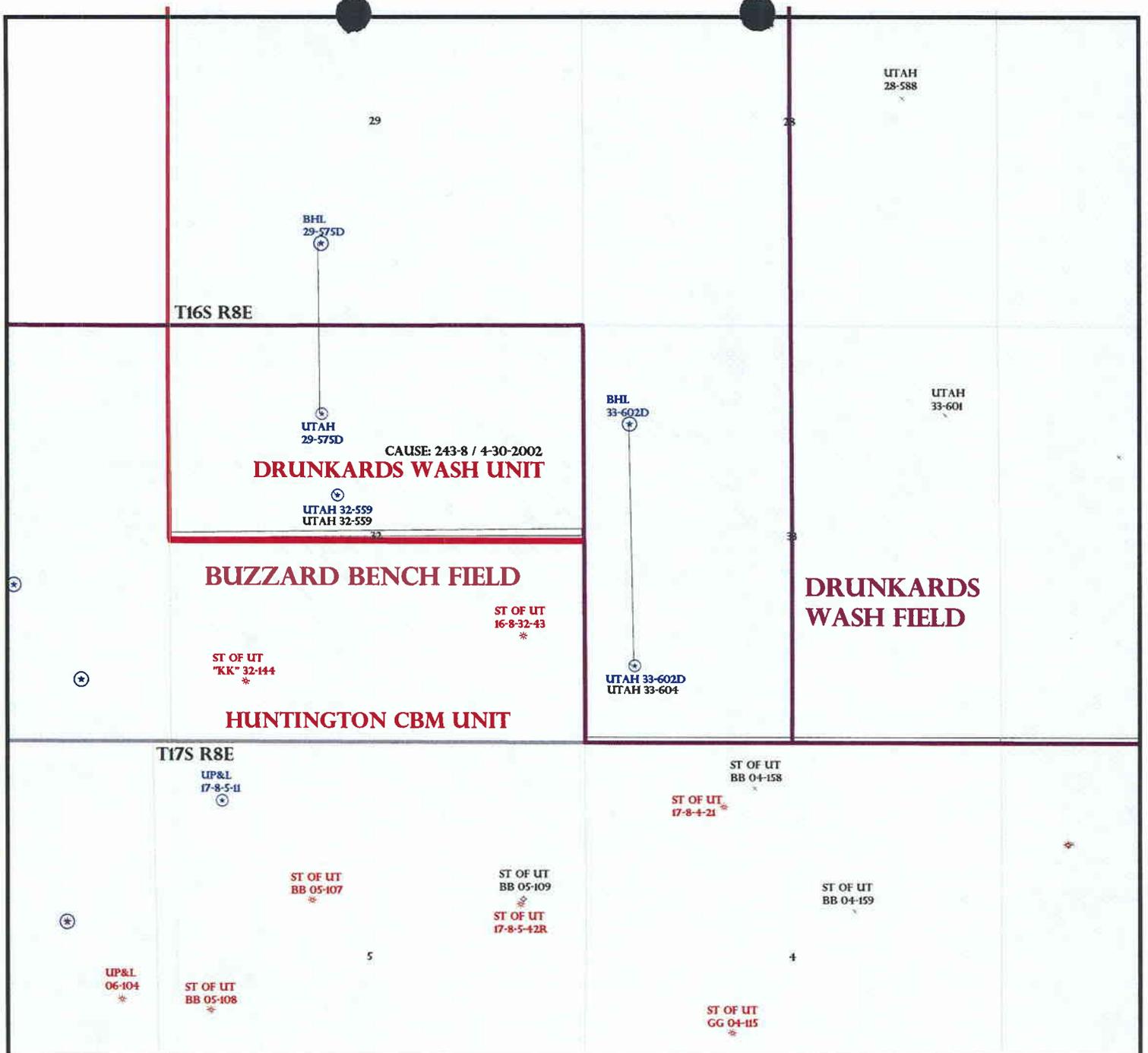
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 6196922 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 243-8  
Eff Date: 4-30-2002  
Siting: 460' fr ul arg & uncom. Tract
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (08-30-07)

STIPULATIONS: 1- STATEMENT OF BASIS



OPERATOR: CONOCOPHILLIPS CO (N2335)  
 SEC: 32 T.16S R. 8E  
 FIELD: BUZZARD BENCH (72)  
 COUNTY: EMERYE  
 CAUSE: 243-8 / 4-30-2002



- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



PREPARED BY: DIANA MASON  
 DATE: 29-AUGUST-2007



ConocoPhillips Company  
3300 N. 'A' St. Bldg. 6  
Midland, TX 79705

August 27, 2007

Utah Division of Oil, Gas, and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114

Location Exception Application  
Utah 2575D  
1102.27 FNL & 1936.16 FWL  
NENW of 32-16S-8E  
Emery County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code R649-3-2, ConocoPhillips Company hereby requests administrative approval for a location exception in the referenced well bore due to topography issues that prevented the well from being spotted within the center of the 40 acre spacing unit. Furthermore, COP is 100% owner of all tracts within a radius of 460' of the well bore.

Should you have any questions, or need additional information, please do not hesitate to contact me at 432-688-6943.

Sincerely,

Donna J. Williams  
Sr. Regulatory Specialist

RECEIVED

AUG 28 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

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2. NAME OF OPERATOR: ConocoPhillips Company		8. UNIT or CA AGREEMENT NAME: N/A	
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY Midland STATE Tx ZIP 79710		9. WELL NAME and NUMBER: Utah 29-575D	
PHONE NUMBER: (432) 688-6943		10. FIELD AND POOL, OR WILDCAT: Dunkle Wash Buzzard Ranch	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1102.27 FNL & 1936.16 FWL (NENW) 32-16S-8E AT PROPOSED PRODUCING ZONE: 1057 FSL & 1935 FWL (SESW) 29-16S-8E		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 16S 8E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5.5 miles northwest of Huntington, Utah		12. COUNTY: Emery	13. STATE: UTAH
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SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H40 40.5#	40	
<del>14</del> 12.5	<del>8 5/8"</del> 9 3/8" J55 30# 24#	400	245 sxs G + 2% CaCl 1.16 cu ft/sk 15.8 ppg
<del>12 7/8"</del> 8.5	5 1/2" M80 15.5#	5221' <del>4000'</del>	Lead: 35 sxs 35/65 P 14.2 ppg
<i>Donna</i> 9/26/07		<i>Donna</i> 9/26/07	Tail: 110 sxs G 1.6 cu ft/sk
			DV@3776
			Lead: 515 sxs 35/65 14.2 ppg
			Tail: 100 sxs RFC 1.6 cu ft/sk

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |   |  |
|---|--|
| <input type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input type="checkbox"/> COMPLETE DRILLING PLAN  |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Donna Williams TITLE Sr. Regulatory Specialist  
SIGNATURE *Donna Williams* DATE 8/27/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-015-30731

APPROVAL:

AUG 28 2007

**From:** Jim Davis  
**To:** Mason, Diana  
**Date:** 9/11/2007 11:59 AM  
**Subject:** Fwd: Well Clearance

**CC:** Bonner, Ed  
Diana,

Because the Utah 29-575D (API 4301530731) crosses lease lines, ConocoPhillips needs some sort of special-use agreement with SITLA. This is a unique situation and we are still working on creating that agreement. Final SITLA clearance will not be granted until an agreement has been made. My apologies for the confusion.  
-Jim

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

>>> Ed Bonner 8/30/2007 11:06 AM >>>

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Bill Barrett Corporation  
Prickly Pear Unit State 10-16D-12-15 (API 43 007 31322)  
Prickly Pear Unit State 16-16D-12-15 (API 43 007 31323)  
Prickly Pear Unit State 14-16D-12-15 (API 43 007 31324)

ConocoPhillips Company  
Utah 29-575D (API 43 015 30731)  
Utah 32-559 (API 43 015 30732)  
Utah 33-602D (API 43 015 30733)

Enduring Resources, LLC  
Cedar Corral 11-24-44-32 (API 43 047 39468)

EOG Resources, Inc  
Natural Buttes Unit 602-36E (API 43 047 39308)  
Natural Buttes Unit 620-30E (API 43 047 39309)

If you have any questions regarding this matter please give me a call.

# Application for Permit to Drill

## Statement of Basis

9/12/2007

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
512	43-015-30731-00-00		GW	S	No
<b>Operator</b>	CONOCOPHILLIPS COMPANY		<b>Surface Owner-APD</b>		
<b>Well Name</b>	UTAH 29-575D		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>		
<b>Location</b>	NENW 32 16S 8E S 1102 FNL 1936 FWL GPS Coord (UTM) 495643E 4360144N				

### Geologic Statement of Basis

This location is situated on a soil developed on the upper portion of the Blue Gate Member of the Mancos Shale. Local outcrops dip under the Wasatch Plateau at about 6 degrees to the northwest. Although it is unlikely that there is any significant high quality ground water resource to be found in the strata below the location, sandier units of the Emery Sandstone Member of the Mancos Shale are below the location and should be protected by extending the surface casing as needed to put these behind casing. The nearest surface waters are in Huntington Creek, which is ~1 1/2 miles to the southwest. The proposed cementing and casing program should be adequate to protect any potential groundwater resource if it is extended to incorporate any sandy units of the Emery Sandstone Member. No water rights have been filed on ground water within a mile of the location.

Chris Kierst  
APD Evaluator

9/12/2007  
Date / Time

### Surface Statement of Basis

Location layout, construction, access, pit location and alternative options were discussed. The operator requests that the reserve pit be allowed to remain open for at least 1 year to allow them time to drill a second directional hole off this pad. A 20 mil liner is being stipulated to increase the liner integrity over this requested time period. Wildlife habitat and restriction were discussed with Utah Division of Wildlife. The area is within critical deer and elk winter habitat. It was metioned a meeting was to be set involving the operator, DWR, and SITLA to discuss possibly extending the drilling window to accommodate expiring mineral leases.

Mark Jones  
Onsite Evaluator

8/30/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** CONOCOPHILLIPS COMPANY  
**Well Name** UTAH 29-575D  
**API Number** 43-015-30731-0      **APD No** 512      **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 NENW      **Sec** 32      **Tw** 16S      **Rng** 8E      1102 FNL 1936 FWL  
**GPS Coord (UTM)**      **Surface Owner**

### Participants

M. Jones (DOGM), C. Knecht, G. Vasquez, Jean Semborski (Conoco), Jim Davis (SITLA), Kyle Beagley (DWR), Mike McCandless (Emery Co.), Jeremy Guymon, Bus Rich (Nielson).

### Regional/Local Setting & Topography

Fish Creek, Huntington Canyon, Berma Road, Emery County. ~5.5 miles northwest of Huntington, Utah.

### Surface Use Plan

**Current Surface Use**  
Wildlife Habitat

#### **New Road**

<b>Miles</b>	<b>Well Pad</b>		<b>Src Const Material</b>	<b>Surface Formation</b>
0.8	<b>Width</b> 200	<b>Length</b> 455	Onsite	

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

PJ community.

#### **Soil Type and Characteristics**

Rocky (boulders > gravel) top 10', mancos clay subsoils.

#### **Erosion Issues** Y

topography has been created over time through erosion.

#### **Sedimentation Issues** N

#### **Site Stability Issues** Y

if location is not constructed with stability in mind, erosion of deep fill areas could occur.

#### **Drainage Diverson Required** Y

#### **Berm Required?** Y

as per EIS.

Erosion Sedimentation Control Required? N

Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N

**Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	300 to 1000	2
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Low permeability	0
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		<b>22</b>
		<b>1 Sensitivity Level</b>

**Characteristics / Requirements**

Dugout earthen (50x50x10) included within the pad dimensions is planned by ConocoPhillips. Operator stated during pre-site that this pit would need to be open for 1 year+ to allow a second well to be drilled on this pad. Heavier liner (20 mil) stipulated helping liner integrity over 1 year layover period. Jean Semborski was asked about the pit size in relation to directional drilling. A larger pit may be needed to accommodate this. The larger pit would not extend beyond the planned pad perimeter. Jean asked if anything needed to be changed in the APD for this. They are not positive at this time if the larger pit is necessary. Jean was given verbal from M. Jones to construct the pit to the size needed as long as it didn't change the pad size and as long as stipulations of the permit were still met.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 20    Pit Underlayment Required? N**

**Other Observations / Comments**

Talked a lot about the reserve pit (location, liner being increased from min 12 mil, possibly using closed system due to size of pad and location of reserve pit plans). Location layout was discussed in detail, the option of drilling from another proposed pad ~1000' southeast was discussed. There is ample room to construct a much larger pad to drill multiple holes off. Conoco was adamant that they be allowed to build both locations to decrease amount of directional hole they have to drill. Maybe a decision for SITLA to make? Lease expires end of Nov 2007! Seems a longer/narrower pit would fit a rig layout/location better than is planned in APD. Jean Semborski was asked about the pit size in relation to directional drilling. A larger pit may be needed to accommodate this. The larger pit would not extend beyond the planned pad perimeter. Jean asked if anything needed to be changed in the APD for this. They are not positive at this time if the larger pit is necessary. Jean was given verbal from M. Jones to construct the pit to the size needed as long as it didn't change the pad size and as long as stipulations of the permit were still met.

Mark Jones  
Evaluator

8/30/2007  
Date / Time

# Utah Division of Water Rights



**There are no features in the query area.**

**Click on the back button to try again**

Please direct questions and comments regarding the map server to: [leeschler@utah.gov](mailto:leeschler@utah.gov).

2007-09 ConocoPhillips Utan 29-575D

Casing Schematic

Surface

12 3/4"

18 3/4"

BHP  $0.052(4625)8.4 = 2020 \text{ psi}$   
anticipate 1256 psi

9-5/8"  
MW 8.3  
Frac 19.3

Gas  $.12(4625) = 555$   
 $2020 - 555 = 1465 \text{ psi, MASP}$

BOPE 3M ✓

Burst  $\frac{3520}{20\%} = 2464 \text{ psi}$

Max P @ surf. shoe  
 $.22(4225) = 929.5$   
 $2020 - 929.5 = 1090.5 \text{ psi}$

Test to 1090 psi ✓

TOC @ Blue Gate / Mancos

TOC @ Surface

400. MD  
400. TVD

in surf w/ 9 1/2 w/o

✓ Adequate  
DUD 9/24/07 DV



3776'  
3860' Blue Gate Shale  
4036' Coals & ss - Ferron

5-1/2"  
MW 8.4

Production  
5221. MD  
4625. TVD

Well name:	<b>2007-09 ConocoPhillips Utah 29-575D</b>		
Operator:	<b>ConocoPhillips Company</b>		
String type:	Surface	Project ID:	43-015-30731
Location:	Emery County		

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 352 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 400 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 351 ft

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 71 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 150 ft

Cement top: Surface

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 4,625 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 2,018 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 400 ft  
 Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	9.625	36.00	J-55	ST&C	400	400	8.796	173.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	173	2020	11.673	400	3520	8.80	14	394	27.37 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: September 27, 2007  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>2007-09 ConocoPhillips Utah 29-575D</b>		
Operator:	<b>ConocoPhillips Company</b>		
String type:	Production	Project ID:	43-015-30731
Location:	Emery County		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,001 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 2,018 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 4,518 ft

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 130 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

Cement top: 367 ft

**Directional well information:**

Kick-off point: 475 ft  
 Departure at shoe: 2159 ft  
 Maximum dogleg: 2 °/100ft  
 Inclination at shoe: 33.23 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5221	5.5	15.50	M-80	LT&C	4625	5221	4.887	697.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2018	4990	2.473	2018	7000	3.47	72	282	3.93 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: September 27, 2007  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

**Helen Sadik-Macdonald - Information**

---

**From:** "Williams, Donna J"  
**To:**  
**Date:** 09/25/2007 6:31 AM  
**Subject:** Information

---

Here you go:

Utah 33-602D

I reviewed the Form 3, drill plan, and directional plan. We are planning to drill to 5316' MD

Lead Slurry on production:

12.0 ppg (wt), 2.21 cu ft/sx (yield)

Utah 29-575D

I reviewed the Form 3, drill plan, and directional plan. We are planning to drill to 5221' MD

Lead slurry on production

12.0 ppg (wt), 2.21 cu ft/sx (yield)

Utah 32-559

I reviewed the Form 3 and drill plan (vertical well). We are planning to drill to 4500 MD

Lead slurry on production

12.0 ppg (wt), 2.21 cu ft/sx (yield)

In review, I believe that when I corrected the number of acres assigned to well, I did the 559 first which was a depth of 4500, and didn't correct it on the other two. It is a typo on my part. Sorry for the inconvenience. Let me know. Thanks.



ConocoPhillips Company  
3300 N. 'A' St. Bldg. 6  
Midland, TX 79705

October 16, 2007

Utah Division of Oil, Gas, and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114

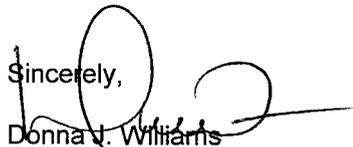
Location Exception Request  
Utah 29-575D  
Surf: 1118.78 FNL & 1972.94 FWL  
NENW of 32-16S-8E  
BHL: 1057 FSL & 1935 FWL  
SESW of 29-16S-8E  
Emery County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code R649-3-2, ConocoPhillips Company hereby respectfully requests administrative approval for a location exception for the referenced well due to topography issues that prevented the well from being spotted within the center of the 40 acre spacing unit. Furthermore, COP is 100% owner/operator of all tracts within a radius of 460' from the proposed well.

Should you have any questions, or need additional information, please do not hesitate to contact me at 432-688-6943.

Sincerely,

  
Donna J. Williams  
Sr. Regulatory Specialist

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: BHL: ML-48389	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>	7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A		
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. UNIT or CA AGREEMENT NAME: N/A		
2. NAME OF OPERATOR: ConocoPhillips Company		9. WELL NAME and NUMBER: Utah 29-575D	
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY Midland STATE Tx ZIP 79710		PHONE NUMBER: (432) 688-6943	10. FIELD AND POOL, OR WILDCAT: <del>Dunkards Wash</del> - <i>Buzzard Bench</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1118.78 FNL & 1972.94 (NENW) 32-16S-8E AT PROPOSED PRODUCING ZONE: 1057 FSL & 1935 FWL (SESW) 29-16S-8E		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>FWL 495654X 4360140Y 39.392619</i> <i>111.050472</i> NENW 32 16S 8E <i>132</i>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5.5 miles northwest of Huntington, Utah		12. COUNTY:	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1057' BHL	16. NUMBER OF ACRES IN LEASE: ~640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 1500	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1500+/-	19. PROPOSED DEPTH: 5,221	20. BOND DESCRIPTION: Statewide	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 6860.8 GR	22. APPROXIMATE DATE WORK WILL START: 10/20/2007	23. ESTIMATED DURATION: 20 days	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

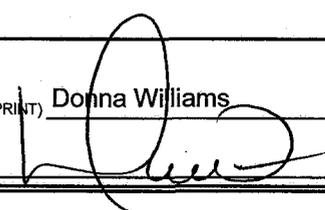
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17 1/2"	13 3/8" H40 40.5#	60	
12 1/4"	9 5/8" J55/K55 36#	400	245 sxs G + 2% CC 1.16 cu ft/sk 15.8 ppg
8 1/2"	5 1/2" M80 15.5#	5,221	Lead: 35 sxs 35/65 G 14.2 ppg Tail: 110 sxs G 1.6 cu ft/sk
			DV@3776 TVD
			Lead: 515 sxs 35/65 14.2 ppg Tail: 100 sxs RFC G 1.6 cu ft/sk

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Donna Williams TITLE Sr. Regulatory Specialist

SIGNATURE  DATE 10/16/2007

(This space for State use only)

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**RECEIVED**

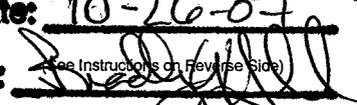
**OCT 17 2007**

**DIV. OF OIL, GAS & MINING**

API NUMBER ASSIGNED: 43-015-30731

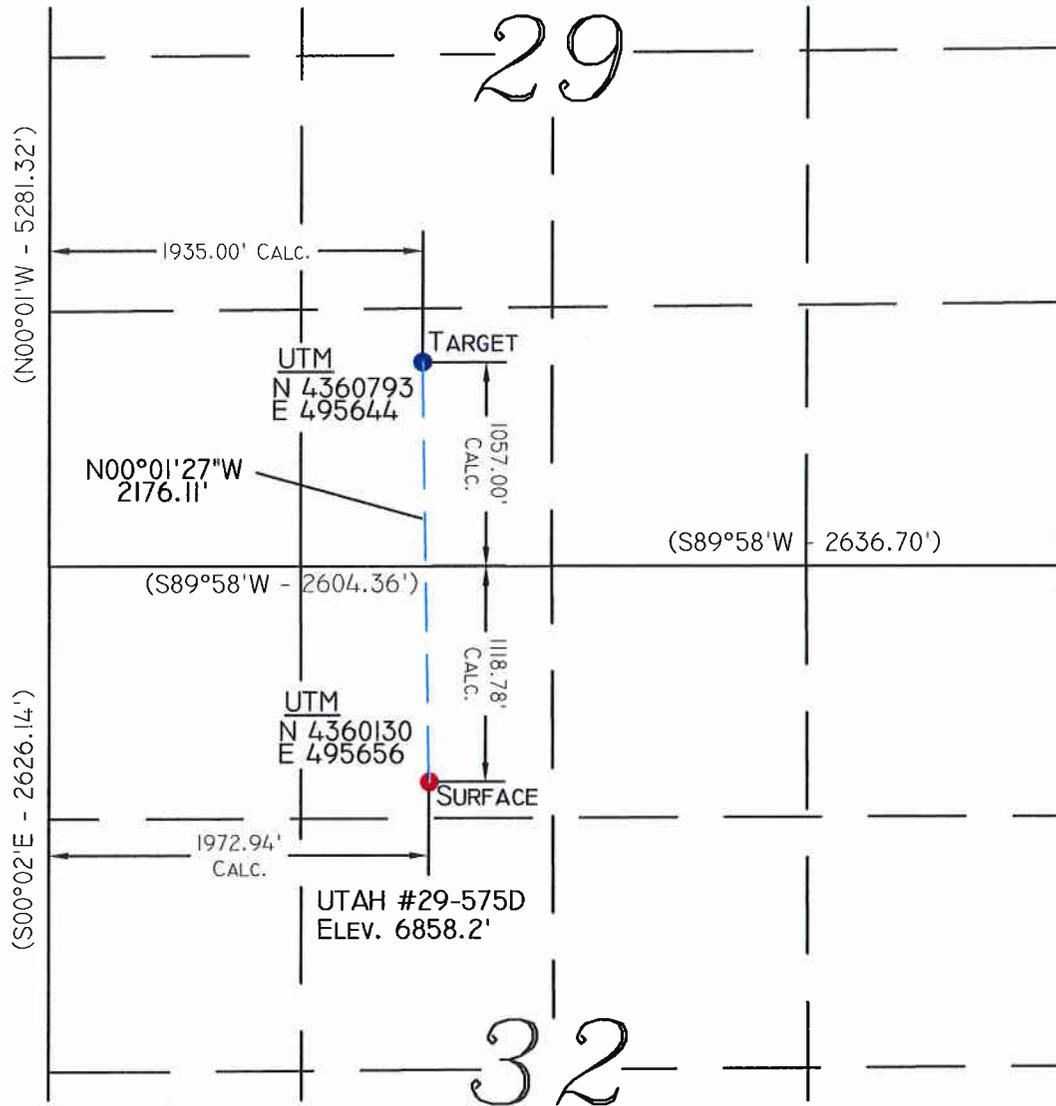
APPROVAL:

Date: 10-26-07

By:  (See Instructions on Reverse Side)

# Range 8 East

Township 16 South



**Location:**

The well location was determined using a Trimble 5700 GPS survey grade unit.

**Basis of Bearing:**

The Basis of Bearing is GPS Measured.

**GLO Bearing:**

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

**Basis of Elevation:**

Basis of Elevation of 6538' being at the Northeast Section Corner of Section 5, Township 17 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Hiawatha Quadrangle 7.5 minute series map.

**Description of Location:**

**Surface**

Proposed Drill Hole located in the NE/4 NW/4 of Section 32, T16S, R8E, S.L.B.&M., being South 1118.78' from North Line and East 1972.94' from West Line of Section 32, T16S, R8E, Salt Lake Base & Meridian.

**Target**

Proposed Target located in the SE/4 SW/4 of Section 29, T16S, R8E, S.L.B.&M., being North 1057.00' from South Line and East 1935.00' from West Line of Section 29, T16S, R8E, Salt Lake Base & Meridian.

**Surveyor's Certificate:**

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



**GRAPHIC SCALE**



( IN FEET )  
1 inch = 1000 ft.

**Legend**

- Drill Hole Location
- ⊙ Metal Cap (Found)
- Brass Cap (Searched for, but not found)
- △ Calculated Corner
- ( ) GLO
- GPS Measured

**NOTES:**

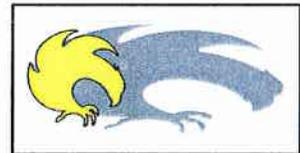
1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

**SURFACE**

LAT / LONG
39°23'33.110"N 111°03'01.602"W

**TARGET**

LAT / LONG
39°23'54.617"N 111°03'02.119"W



**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talon@ctv.net

**ConocoPhillips**

ConocoPhillips Company  
WELL UTAH #29-575D  
Section 32, T16S, R8E, S.L.B.&M.  
Emery County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 10/11/07
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 3105-C

EXHIBIT "D"  
DRILLING PROGRAM

Attached to Form 3  
ConocoPhillips Company  
Utah 29-575D  
Surf: 1118.78 FNL 1972.94 FWL  
NENW of 32-16S-8E  
BHL: 1057 FSL & 1935 FWL  
SESW of 29-16S-8E  
Emery County, Utah

1. The Surface Geologic Formation

Mancos Shale

2. Estimated Tops of Important Geologic Markers

Blue Gate Shale Top      3710

3. Projected Gas & H2O zones (Ferron Formation)

Coals and sandstones      3860-4290

No groundwater is expected to be encountered.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits.

All indications of usable water will be reported.

Surface casing will be tested to 500 psi and Production casing tested to 1500 psi with a minimum of 1 psi/ft of the last casing string depth

4. The Proposed Casing and Cementing Programs

Hole Size	Casing Size	Wt/Ft	Grade	Joint	Depth set
17 1/2"	13 3/8"	40.5	H-40	ST&C	0-60'
12 1/4"	9 5/8"	36#	J55/K55	ST&C	0-400'
8 1/2"	5 1/2"	15.5#	M80	LT&C	0-5221' MD

## Cementing Program

The 9 5/8" surface casing will be set with approximately 245 sacks Class G or Type V cement with 2% CC + 1/4 pps D130 mixed at 15.8 ppg (yield = 1.16 ft<sup>3</sup>/sx). The cement will be circulated back to surface with 100% excess.

The 5 1/2" production casing will be set and cemented using a two stage cementing process.

Cement Program: First Stage: Lead w/35 sxs 35:65 Poz G + 6% D20 + .75% D112 + .2% D65 + .2% D46 + .125 pps D130, Tail w/140 sxs RFC Class G + .125 ppg D130 mixed at 14.2 ppg (yield=1.6 cu ft/sx). DV tool set at est. 3776'. <sup>12 ppg 2.21 ft<sup>3</sup>/sx 70. Doyner Williams 9/20/07</sup> ~~First~~ Stage: Lead w/515 sxs 35:65 Poz G + 6% D20 + .75% D112 + .2% D65 + .2% D46 + .125 pps D130, Tail w/100 sxs RFC 'G' + .125 pps D130 mixed at 14.2 ppg (yield=1.6 cu ft/sk)

The above cement volumes are approximate and are calculated under the assumption that a gauge hole will be achieved. If the cement does not return to surface, a cement bond log will be run to determine the top of cement. In the case where the cement is below the surface casing shoe, the casing will be perforated and squeeze cemented to the surface. If the cement is above the surface casing shoe, cement will be one-inched to the surface.

Stage 1	ft <sup>3</sup> /sx	4306 @ 12%
35 sx →	2.21	= 77.35
140 sx →	1.6	= 224
<u>175 sx</u>	<u>1.722</u>	<u>301.35</u>
DV 3776', cmt to 3905 w/12%		
1925x cmt to 3779 w/10%		
278 sx " " 3774 w/12%		
<hr/>		
Stage 2		
515 sx →	2.21	1138.15
100 sx →	1.6	= 160
<u>615</u>	<u>2.11</u>	<u>1298.15</u>
<hr/>		
367' w/12%		to surf w/9%

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. The Operator's Minimum Specifications for Pressure Control

Exhibit "G" is a schematic diagram of the blowout preventer equipment. A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to required pressures. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

0-400	12 1/4" hole	Drill with air, will mud-up if necessary.
400-TD	8 1/2" hole	Drill with air, will mud-up if necessary. 400 psi @ 1400-1600 cfm

7. The Testing, Logging and Coring Programs are as followed

400-TD      Gamma Ray, Neutron Porosity, CBL

Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is about 1256 psi max., however due to offset production pressures may be much lower. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled around September 15, 2007

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Division of Oil, Gas & Mining immediately.

# ConocoPhilips

Emery County, Utah

Sec. 32-T16S-R8E

Utah 29-575

Plan #2

Plan: Plan #2 Proposal

## Sperry Drilling Services Proposal Report

02 July, 2007

Well Coordinates: 6,947,820.58 N, 1,767,174.18 E (39° 23' 33.50" N, 111° 03' 05.30" W)

Ground Level: 6,836.00 ft

Local Coordinate Origin:

Centered on Well Utah 29-575

Viewing Datum:

RKB @ 6850.00ft (Original Well Elev)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet

Geodetic Scale Factor Applied

Version: 2003.14 Build: 57

**HALLIBURTON**

**Plan Report for Utah 29-575 - Plan #2 - Plan #2 Proposal**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375.00	0.00	0.00	375.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9 5/8"</b>										
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
475.00	0.00	0.00	475.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Kickoff at 475.00ft</b>										
500.00	0.50	0.00	500.00	0.11	0.00	0.11	2.00	2.00	0.00	0.00
600.00	2.50	0.00	599.96	2.73	0.00	2.73	2.00	2.00	0.00	0.00
700.00	4.50	0.00	699.77	8.83	0.00	8.83	2.00	2.00	0.00	0.00
800.00	6.50	0.00	799.30	18.42	0.00	18.42	2.00	2.00	0.00	0.00
900.00	8.50	0.00	898.44	31.47	0.00	31.47	2.00	2.00	0.00	0.00
1,000.00	10.50	0.00	997.07	47.97	0.00	47.97	2.00	2.00	0.00	0.00
1,100.00	12.50	0.00	1,095.05	67.91	0.00	67.91	2.00	2.00	0.00	0.00
1,200.00	14.50	0.00	1,192.29	91.25	0.00	91.25	2.00	2.00	0.00	0.00
1,300.00	16.50	0.00	1,288.64	117.97	0.00	117.97	2.00	2.00	0.00	0.00
<b>Build Rate = 2.00°/100ft</b>										
1,400.00	18.50	0.00	1,384.01	148.04	0.00	148.04	2.00	2.00	0.00	0.00
1,500.00	20.50	0.00	1,478.27	181.42	0.00	181.42	2.00	2.00	0.00	0.00
1,600.00	22.50	0.00	1,571.31	218.07	0.00	218.07	2.00	2.00	0.00	0.00
1,700.00	24.50	0.00	1,663.01	257.94	0.00	257.94	2.00	2.00	0.00	0.00
1,800.00	26.50	0.00	1,753.26	300.99	0.00	300.99	2.00	2.00	0.00	0.00
1,900.00	28.50	0.00	1,841.96	347.16	0.00	347.16	2.00	2.00	0.00	0.00
2,000.00	30.50	0.00	1,928.99	396.40	0.00	396.40	2.00	2.00	0.00	0.00
2,100.00	32.50	0.00	2,014.25	448.65	0.00	448.65	2.00	2.00	0.00	0.00
2,136.69	33.23	0.00	2,045.07	468.56	0.00	468.56	2.00	2.00	0.00	0.00
<b>End of Build at 2136.69</b>										
2,200.00	33.23	0.00	2,098.02	503.26	0.00	503.26	0.00	0.00	0.00	0.00
2,300.00	33.23	0.00	2,181.67	558.06	0.00	558.06	0.00	0.00	0.00	0.00
2,400.00	33.23	0.00	2,265.31	612.87	0.00	612.87	0.00	0.00	0.00	0.00
2,500.00	33.23	0.00	2,348.95	667.68	0.00	667.68	0.00	0.00	0.00	0.00
2,600.00	33.23	0.00	2,432.60	722.48	0.00	722.48	0.00	0.00	0.00	0.00
2,700.00	33.23	0.00	2,516.24	777.29	0.00	777.29	0.00	0.00	0.00	0.00
2,800.00	33.23	0.00	2,599.89	832.09	0.00	832.09	0.00	0.00	0.00	0.00
2,900.00	33.23	0.00	2,683.53	886.90	0.00	886.90	0.00	0.00	0.00	0.00
3,000.00	33.23	0.00	2,767.17	941.71	0.00	941.71	0.00	0.00	0.00	0.00
3,100.00	33.23	0.00	2,850.82	996.51	0.00	996.51	0.00	0.00	0.00	0.00
3,200.00	33.23	0.00	2,934.46	1,051.32	0.00	1,051.32	0.00	0.00	0.00	0.00
3,300.00	33.23	0.00	3,018.11	1,106.12	0.00	1,106.12	0.00	0.00	0.00	0.00
<b>33.23 Inclination</b>										
3,400.00	33.23	0.00	3,101.75	1,160.93	0.00	1,160.93	0.00	0.00	0.00	0.00
3,500.00	33.23	0.00	3,185.39	1,215.73	0.00	1,215.73	0.00	0.00	0.00	0.00
3,600.00	33.23	0.00	3,269.04	1,270.54	0.00	1,270.54	0.00	0.00	0.00	0.00
3,700.00	33.23	0.00	3,352.68	1,325.35	0.00	1,325.35	0.00	0.00	0.00	0.00
3,800.00	33.23	0.00	3,436.33	1,380.15	0.00	1,380.15	0.00	0.00	0.00	0.00
3,900.00	33.23	0.00	3,519.97	1,434.96	0.00	1,434.96	0.00	0.00	0.00	0.00
4,000.00	33.23	0.00	3,603.61	1,489.76	0.00	1,489.76	0.00	0.00	0.00	0.00
4,100.00	33.23	0.00	3,687.26	1,544.57	0.00	1,544.57	0.00	0.00	0.00	0.00
4,200.00	33.23	0.00	3,770.90	1,599.37	0.00	1,599.37	0.00	0.00	0.00	0.00
4,300.00	33.23	0.00	3,854.55	1,654.18	0.00	1,654.18	0.00	0.00	0.00	0.00
4,400.00	33.23	0.00	3,938.19	1,708.99	0.00	1,708.99	0.00	0.00	0.00	0.00
4,420.10	33.23	0.00	3,955.00	1,720.00	0.00	1,720.00	0.00	0.00	0.00	0.00
<b>Top of Gas - Utah 29-575 Plan 2 Zone Tgt.</b>										
4,500.00	33.23	0.00	4,021.84	1,763.79	0.00	1,763.79	0.00	0.00	0.00	0.00
4,600.00	33.23	0.00	4,105.48	1,818.60	0.00	1,818.60	0.00	0.00	0.00	0.00
4,700.00	33.23	0.00	4,189.12	1,873.40	0.00	1,873.40	0.00	0.00	0.00	0.00

**HALLIBURTON**

**Plan Report for Utah 29-575 - Plan #2 - Plan #2 Proposal**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
4,800.00	33.23	0.00	4,272.77	1,928.21	0.00	1,928.21	0.00	0.00	0.00	0.00
4,900.00	33.23	0.00	4,356.41	1,983.02	0.00	1,983.02	0.00	0.00	0.00	0.00
5,000.00	33.23	0.00	4,440.06	2,037.82	0.00	2,037.82	0.00	0.00	0.00	0.00
5,100.00	33.23	0.00	4,523.70	2,092.63	0.00	2,092.63	0.00	0.00	0.00	0.00
5,200.00	33.23	0.00	4,607.34	2,147.43	0.00	2,147.43	0.00	0.00	0.00	0.00
5,221.11	33.23	0.00	4,625.00	2,159.00	0.00	2,159.00	0.00	0.00	0.00	0.00
<b>Total Depth = 5221.11ft</b>										

475.00	475.00	0.00	0.00	Kickoff at 475.00ft
1,300.00	1,288.64	117.97	0.00	Build Rate = 2.00°/100ft
2,136.69	2,045.07	468.56	0.00	End of Build at 2136.69
3,300.00	3,018.11	1,106.12	0.00	33.23 Inclination
5,221.11	4,625.00	2,159.00	0.00	Total Depth = 5221.11ft

**Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	+N/_S (ft)	+E/-W (ft)	Start TVD (ft)
Target	Utah 29-575 Plan 2 Zone Tgt.	0.00	Slot	0.00	0.00	0.00

***Targets associated with this wellbore***

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Utah 29-575 Plan 2 Zone Tgt.	3,955.00	1,720.00	0.00	Circle
Utah 29-575 N. Hardline	0.00	0.00	0.00	Polygon

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 4A

Bond No. 6196922

SURETY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we (operator name) CONOCOPHILLIPS COMPANY as Principal,  
and

(surety name) SAFECO INSURANCE COMPANY OF AMERICA as Surety, duly authorized  
and qualified to do business in the State of Utah, are held and firmly bound unto the State of Utah in the sum of:

EIGHTY THOUSAND AND NO/100\*\*\*\*\* dollars (\$ 80,000.00 )  
lawful money of the United States, payable to the Director of the Division of Oil, Gas and Mining, as agent of the State of Utah, for the use and  
benefit of the State of Utah for the faithful payment of which we bind ourselves, our heirs, executors, administrators and successors, jointly and  
severally by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, WHEREAS the Principal is or will be engaged in the drilling, redrilling, deepening,  
repairing, operating, and plugging and abandonment of a well or wells and restoring the well site or sites in the State of Utah for the purposes of  
oil or gas production and/or the injection and disposal of fluids in connection therewith for the following described land or well:

- Blanket Bond: To cover all wells drilled in the State of Utah
- Individual Bond: Well No: \_\_\_\_\_  
Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
County: \_\_\_\_\_, Utah

NOW, THEREFORE, if the above bounden Principal shall comply with all the provisions of the laws of the State of Utah and the rules, orders and  
requirements of the Board of Oil, Gas and Mining of the State of Utah, including, but not limited to the proper plugging and abandonment of wells  
and well site restoration, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

IN TESTIMONY WHEREOF, said Principal has hereunto subscribed its name and has caused this instrument to be signed by its duly authorized  
officers and its corporate or notary seal to be affixed this

30th day of Dec, 20 02.

(Corporate or Notary Seal here)  
  
Attest: [Signature] Date: 12-30-02

Principal (company name) \_\_\_\_\_  
By \_\_\_\_\_  
Name (print) \_\_\_\_\_ Title manager  
James F. Hughes  
Signature

IN TESTIMONY WHEREOF, said Surety has caused this instrument to be signed by its duly authorized officers and its corporate or notary seal  
to be affixed this

1st day of JANUARY, 20 03.

(Corporate or Notary Seal here)  
  
Carolyn E. Wheeler  
Attest: \_\_\_\_\_ Date: 12/20/2002

Surety Company (Attach Power of Attorney)  
By \_\_\_\_\_  
Name (print) \_\_\_\_\_ Title \_\_\_\_\_  
Jina Marie S  
Signature  
\_\_\_\_\_  
Surety Mailing Address  
\_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

CAROLYN E. WHEELER  
NOTARY PUBLIC  
MY COMMISSION EXPIRES: NOVEMBER 1, 2006  
(5/2002)

**HALLIBURTON**

**North Reference Sheet for Sec. 32-T16S-R8E - Utah 29-575 - Plan #2**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB @ 6850.00ft (Original Well Elev). Northing and Easting are relative to Utah 29-575

Coordinate System is US State Plane 1983, Utah Central Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 1,640,416.67ft, False Northing: 6,561,666.67ft, Scale Reduction: 0.99992844

Grid Coordinates of Well: 6,947,820.58 ft N, 1,767,174.18 ft E

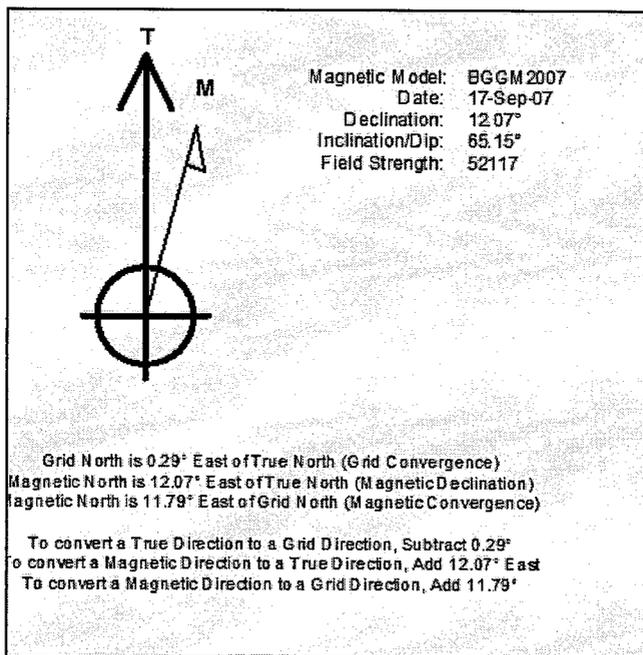
Geographical Coordinates of Well: 39° 23' 33.50" N, 111° 03' 05.30" W

Grid Convergence at Surface is: 0.29°

Based upon Minimum Curvature type calculations, at a Measured Depth of 5,221.11ft

the Bottom Hole Displacement is 2,159.00ft in the Direction of 0.00° (Grid).

Magnetic Convergence at surface is: -11.79° (17 September 2007, , BGGM2007)



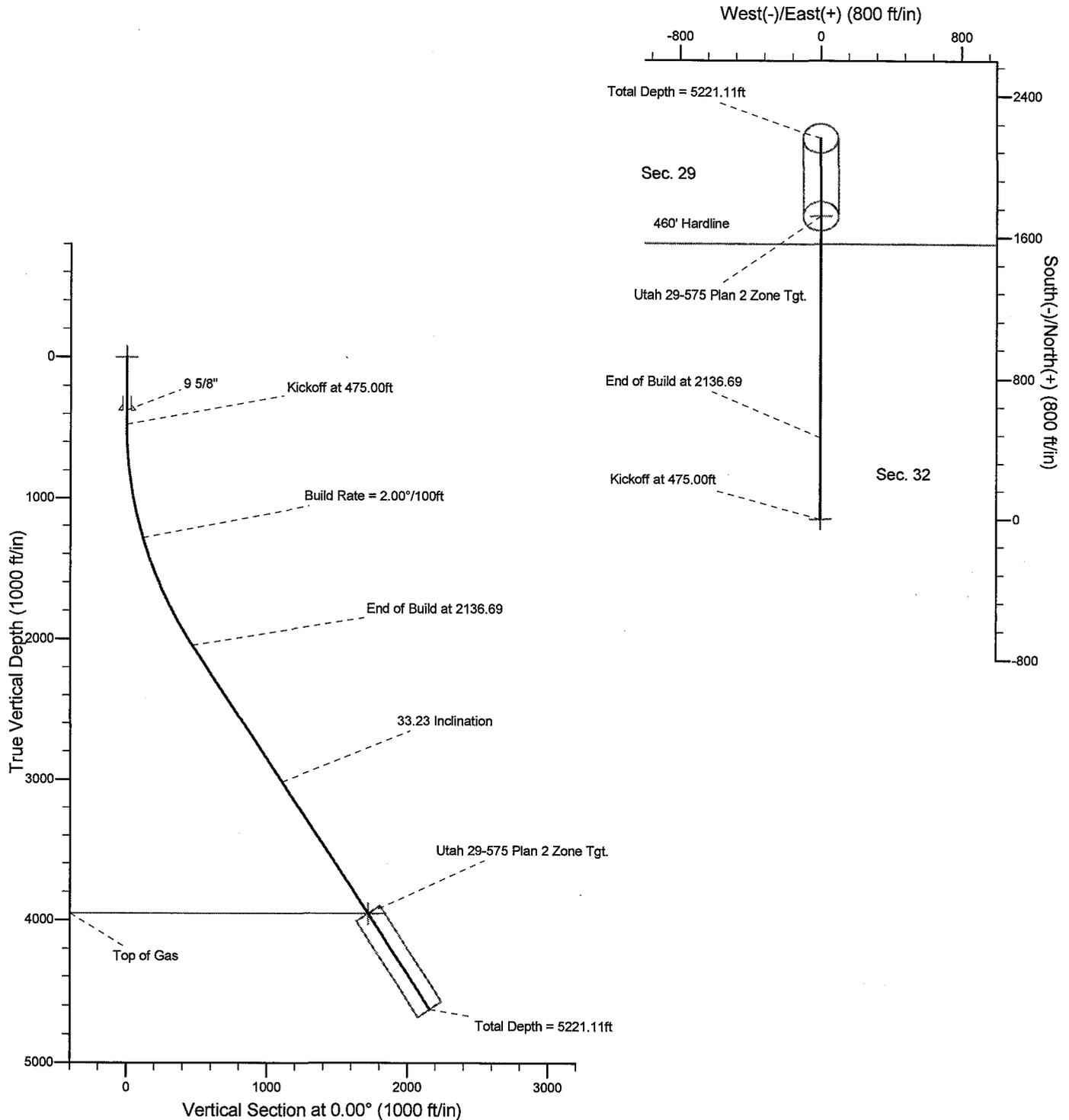
Project: Emery County, Utah  
 Site: Sec. 32-T16S-R8E  
 Well: Utah 29-575  
 Wellbore: Plan #2  
 Plan: Plan #2 Proposal

ConocoPhilips

HALLIBURTON

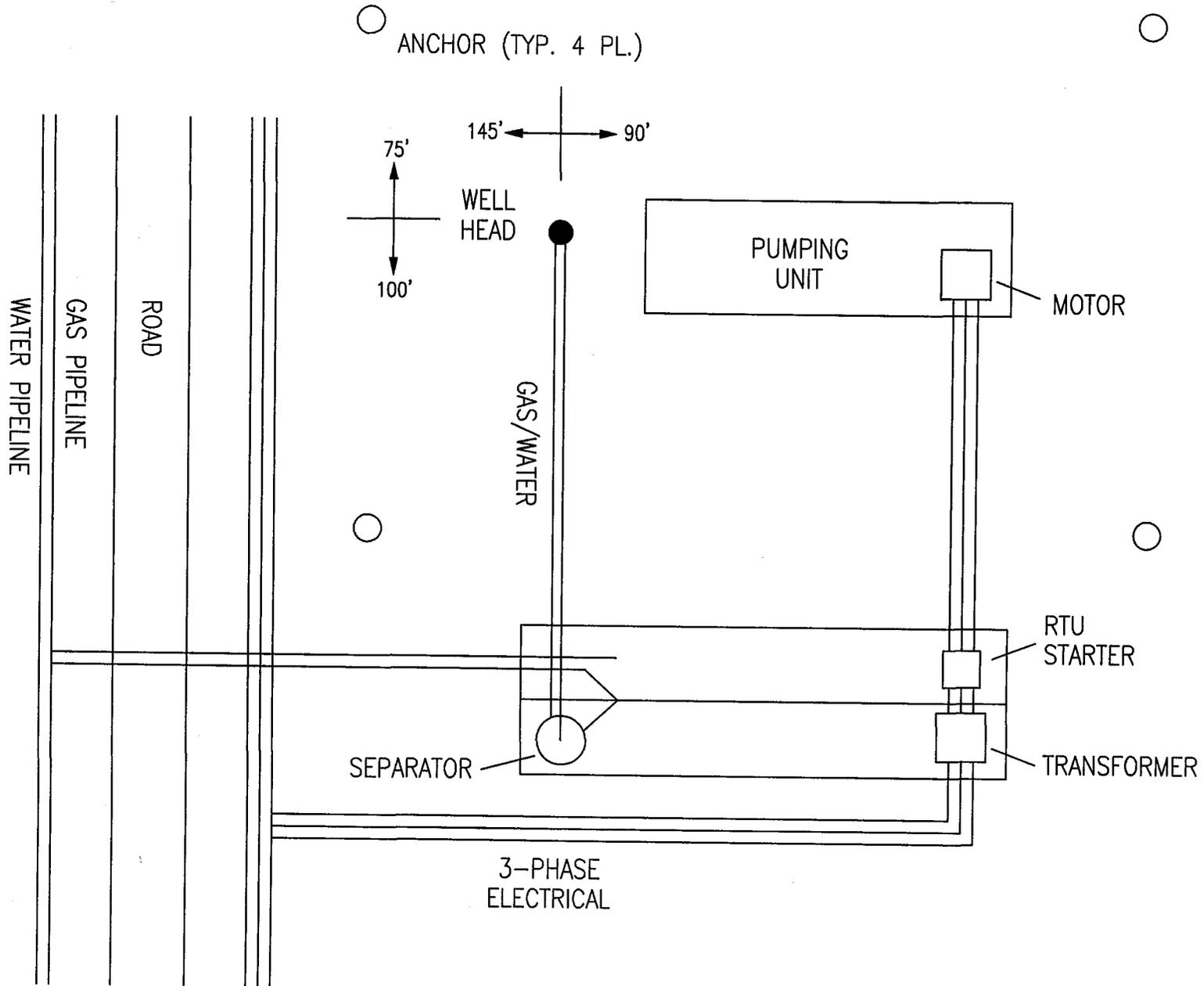
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
475.00	0.00	0.00	475.00	0.00	0.00	0.00	0.00	0.00	
2136.69	33.23	0.00	2045.07	468.56	0.00	2.00	0.00	468.56	
4420.10	33.23	0.00	3955.00	1720.00	0.00	0.00	0.00	1720.00	Utah 29-575 Plan 2 Zone Tgt.
5221.11	33.23	0.00	4625.00	2159.00	0.00	0.00	0.00	2159.00	

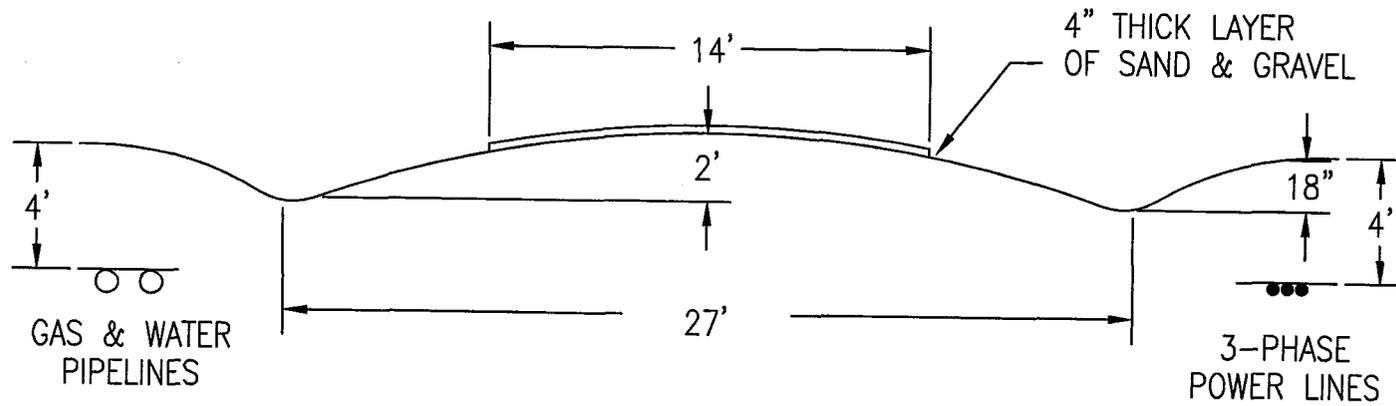


# CONOCOPHILLIPS COMPANY

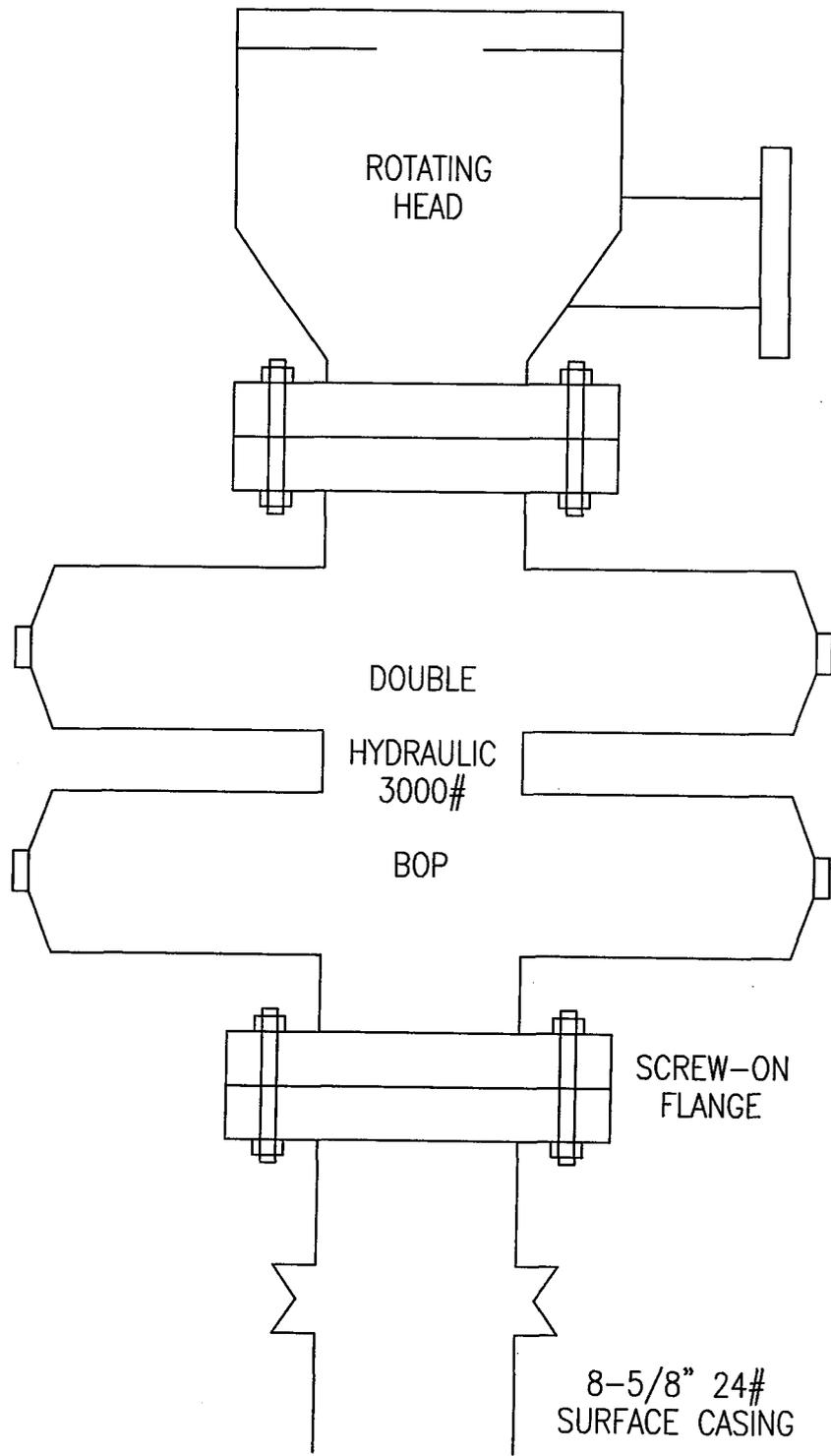
## WELL SITE LAYOUT (235' x 175')



TYPICAL ROAD CROSS-SECTION  
CONOCOPHILLIPS COMPANY



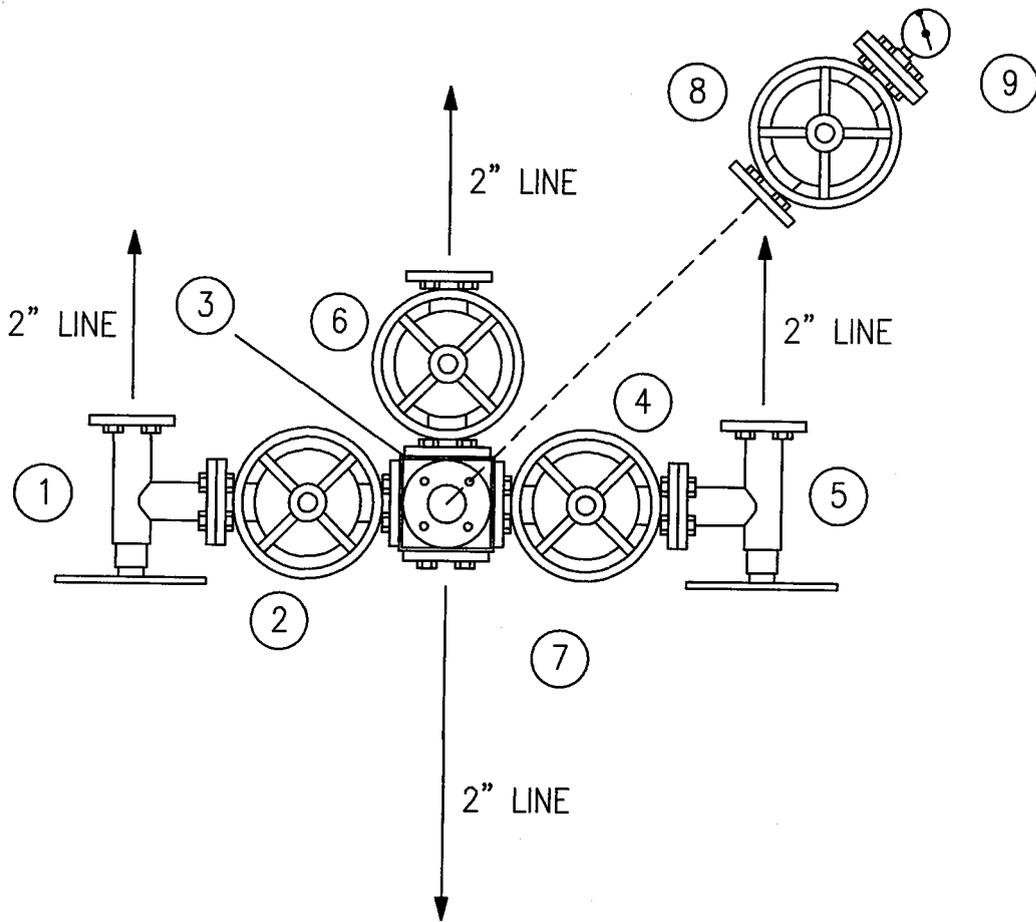
DIVERTER HEAD  
CONOCOPHILLIPS COMPANY



# CONOCOPHILLIPS COMPANY

- (1) 2" 5M FLANGED CHOKE
- (2) 2" 5M GATE VALVE (FLANGED)
- (3) 2" 5M STUDDED CROSS
- (4) 2" 5M GATE VALVE (FLANGED)
- (5) 2" 5M FLANGED CHOKE
- (6) 2" 5M GATE VALVE (FLANGED)
- (7) 2" LINE
- (8) 2" 5M GATE VALVE (FLANGED)
- (9) 3000# GAUGE

NOTE:  
NUMBER 8 GATE VALVE SITS ON TOP OF MANIFOLD BETWEEN STUDDED CROSS AND 3000# GAUGE.



TO BOP  
AND A NEW 2" BALL VALVE  
FULL OPEN 5000 PSI

## MANIFOLD

## SURFACE USE PLAN

Attached to Form 3  
ConocoPhillips Company  
Utah 29-575D  
Surf: 1118.78 FNL & 1972.94 FWL  
NENW of 32-16S-8E  
BHL: 1057 FSL & 1935 FWL  
SESW of 29-16S-8E  
Emery County, Utah

### 1. Existing Roads

- a. We do not plan to change, alter or improve upon any existing state or county roads.
- b. Existing roads will be maintained in the same or better condition. See Exhibit "B".

### 2. Planned Access

Approximately 5000' of new access is required (Refer to Drawing L-1)

- a. Maximum Width: 24' travel surface with 27' base
- b. Maximum grade: 7%
- c. Turnouts: None
- d. Drainage design: 10 culverts may be required. Water will be diverted around well pad as necessary.
- e. If the well is productive, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.
- f. Pipe and power lines will follow the proposed access road.

### 3. Location of Existing Wells

- a. Refer to Drawing L-1.

### 4. Location of Existing and/or Proposed Facilities

- a. If the well is a producer, installation of production facilities will be as shown on Exhibit "H". Buried powerlines run along access on the east and north, gathering lines on the south or west.
- b. Rehabilitation of all pad areas not used for production facilities will be made in

## **5. Location and Type of Water Supply**

- a. Water to be used for drilling will be purchased from the Price River Water Improvement District (a local source of municipal water) (tel. 435-637-6350).
- b. Water will be transported by truck over approved access roads.
- c. No water well is to be drilled for this location.

## **6. Source of Construction Materials**

- a. Any necessary construction materials needed will be obtained locally and hauled to the location on existing roads.
- b. No construction or surfacing materials will be taken from Federal/Indian land.

## **7. Methods for handling waste disposal**

- a. As the well will be air drilled, a small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will not be lined unless conditions encountered during construction warrant it or if deemed necessary by the DOGM representative during the pre-site inspection. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operation cease with woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit back-filled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event fluids are produced, any oil will be retained in tankage until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- c. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

## **8. Ancillary Facilities**

- a. We anticipate no need for ancillary facilities with the exception of one trailer to be located on the drill site.

## **9. Wellsite Layout**

- a. Available topsoil will be removed from the location and stockpiled. Location of mud tanks, reserve and berm pits, and soil stockpiles will be located as shown on the attachments.
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the pit. The pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on Drawing A-2 and L-1.
- d. Natural runoff will be diverted around the well pad.

## **10. Plans for Restoration of Surface**

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.

## **11. Surface Ownership:**

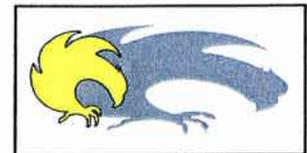
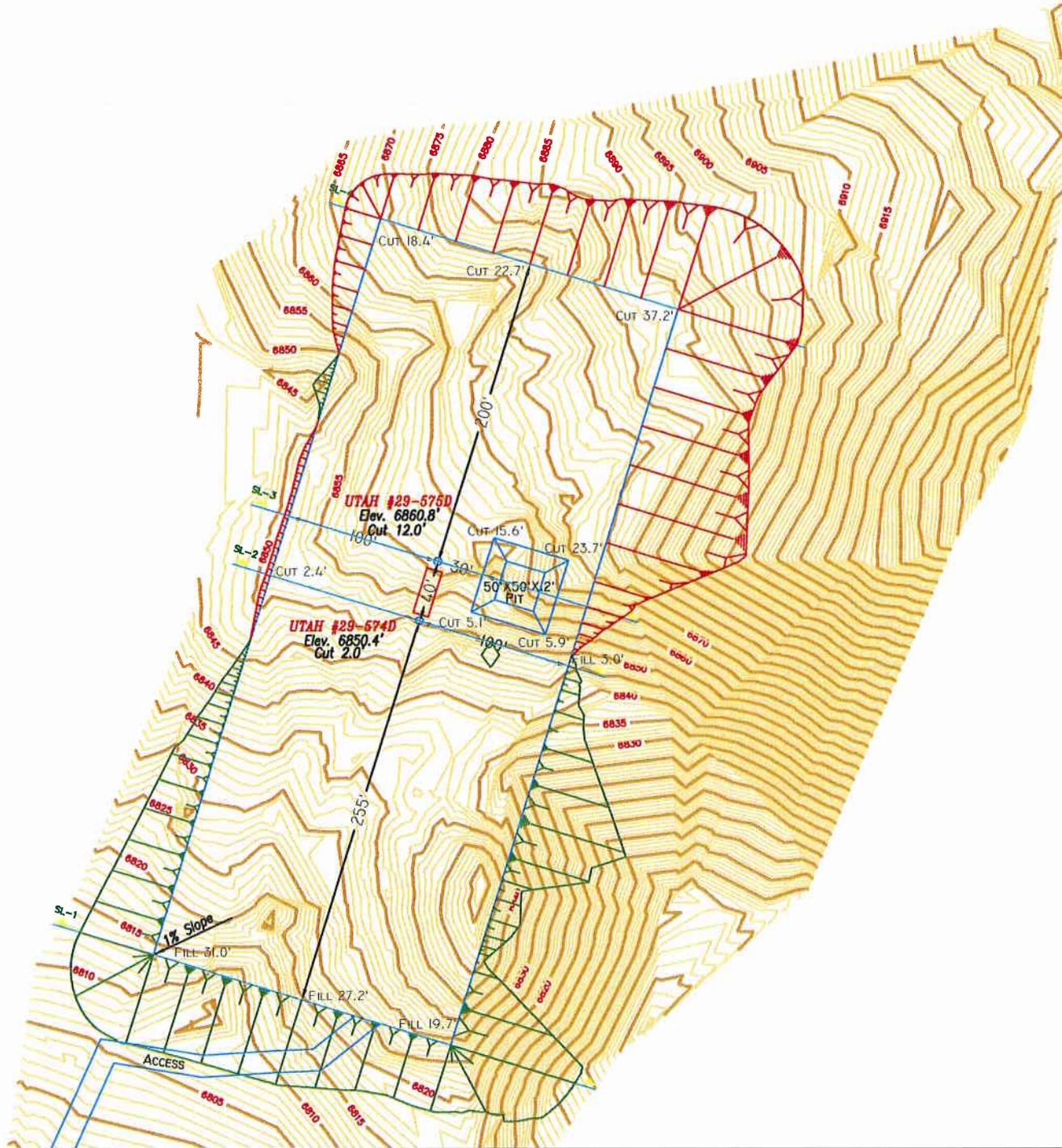
- a. The wellsite and access road will be constructed on lands owned by School and Institutional Trust Lands Administration. The operator shall contact the landowner representative and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities

12. **Other Information:**

- a. The primary surface use is farming and grazing. The nearest dwelling is approximately 7000 feet southwest.
- b. Nearest live water is the Fish Creek located approximately 500' south/southwest
- c. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed and piled downhill from the topsoil stockpile location.
- d. The backslope and foreslope will be constructed no steeper than 4:1.
- e. All equipment and vehicles will be confined to the access road and well pad.
- f. A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations, shall be on the wellsite during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 6860.8'  
 ELEVATION OF GRADED GROUND AT LOCATION STAKE = 6848.8'



**TALON RESOURCES, INC.**

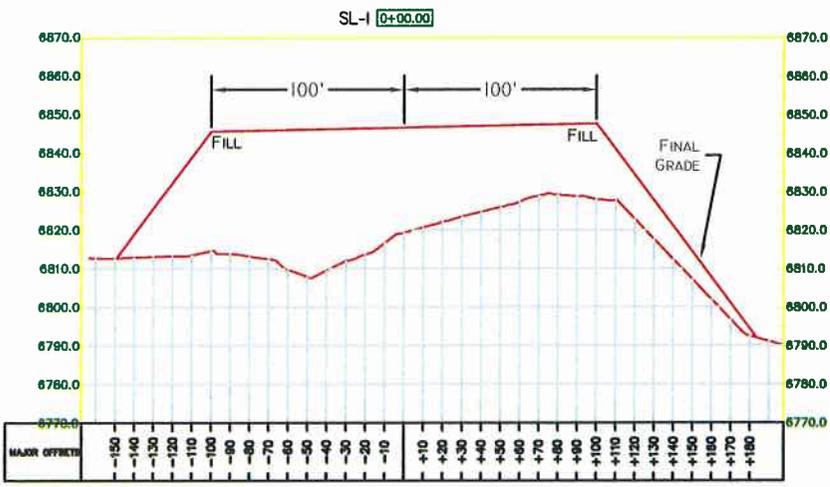
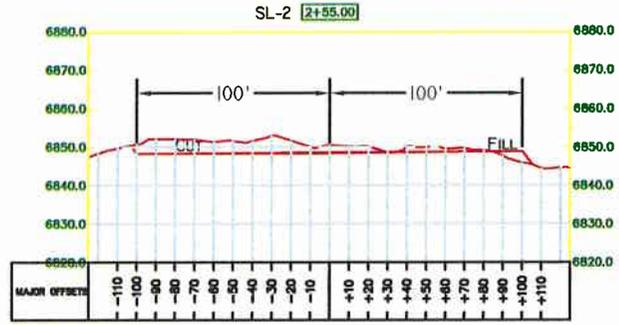
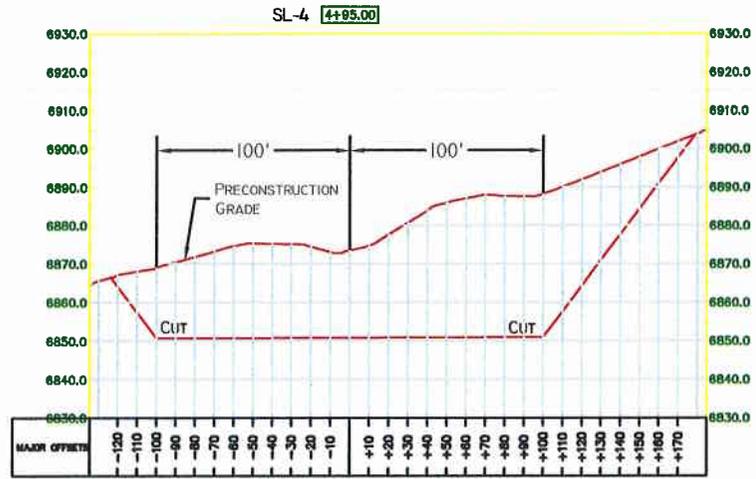
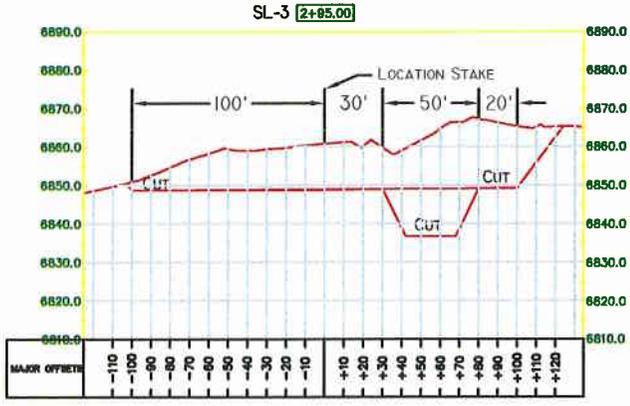
615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talonsetv.net

**ConocoPhillips Company**

**LOCATION LAYOUT**  
 Section 32, T16S, R8E, S.L.B.&M.  
 WELL UTAH #29-575D

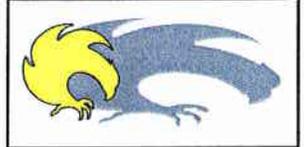
Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>A-2</b>	Date: <b>7/25/07</b>
	Scale: <b>1" = 100'</b>
Sheet <b>2</b> of <b>4</b>	Job No. <b>2967-B</b>

1" = 10'  
X-Section Scale  
1" = 20'



SLOPE = 1 1/2 : 1  
(EXCEPT PIT)  
PIT SLOPE = 1 : 1

APPROXIMATE YARDAGES  
 (6") TOPSOIL STRIPPING = 1835 CU. YDS.  
 TOTAL CUT (INCLUDING PIT) = 77,490 CU. YDS.  
 TOTAL FILL = 60,115 CU. YDS.



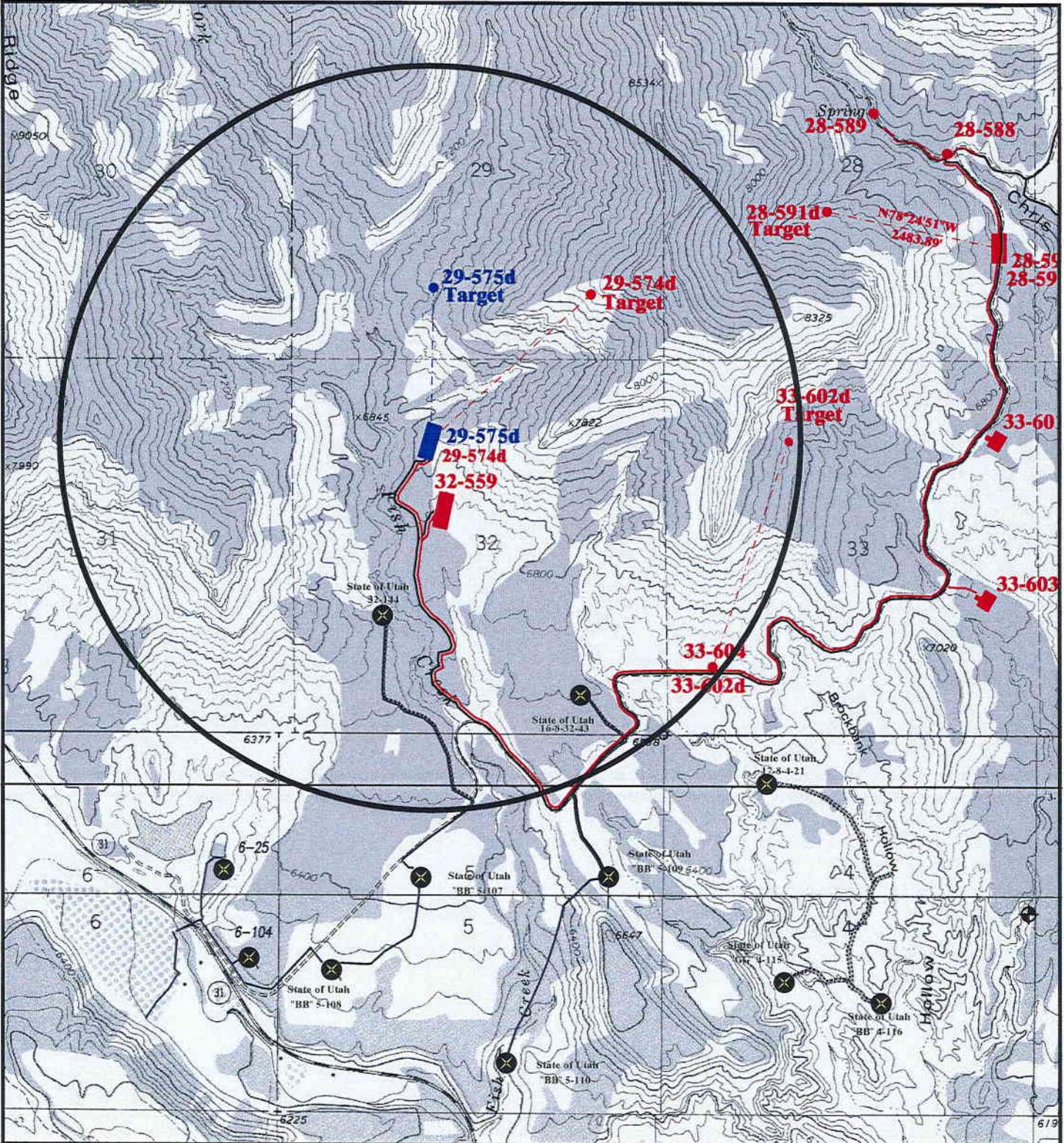
**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail taloneetv.net

**ConocoPhillips Company**

**TYPICAL CROSS SECTION**  
 Section 32, T16S, R8E, S.L.B.&M.  
 WELL UTAH #29-575D

Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>C-1</b>	Date: <b>7/25/07</b>
	Scale: <b>1" = 100'</b>
Sheet <b>3</b> of <b>4</b>	Job No. <b>2967-B</b>



**LEGEND**

- Proposed Well Location:
- Other Proposed Well Locations:
- Proposed Pipeline:
- Proposed Roads:
- XTO Energy Existing Wells



Scale: 1" = 2000'

July 30, 2007

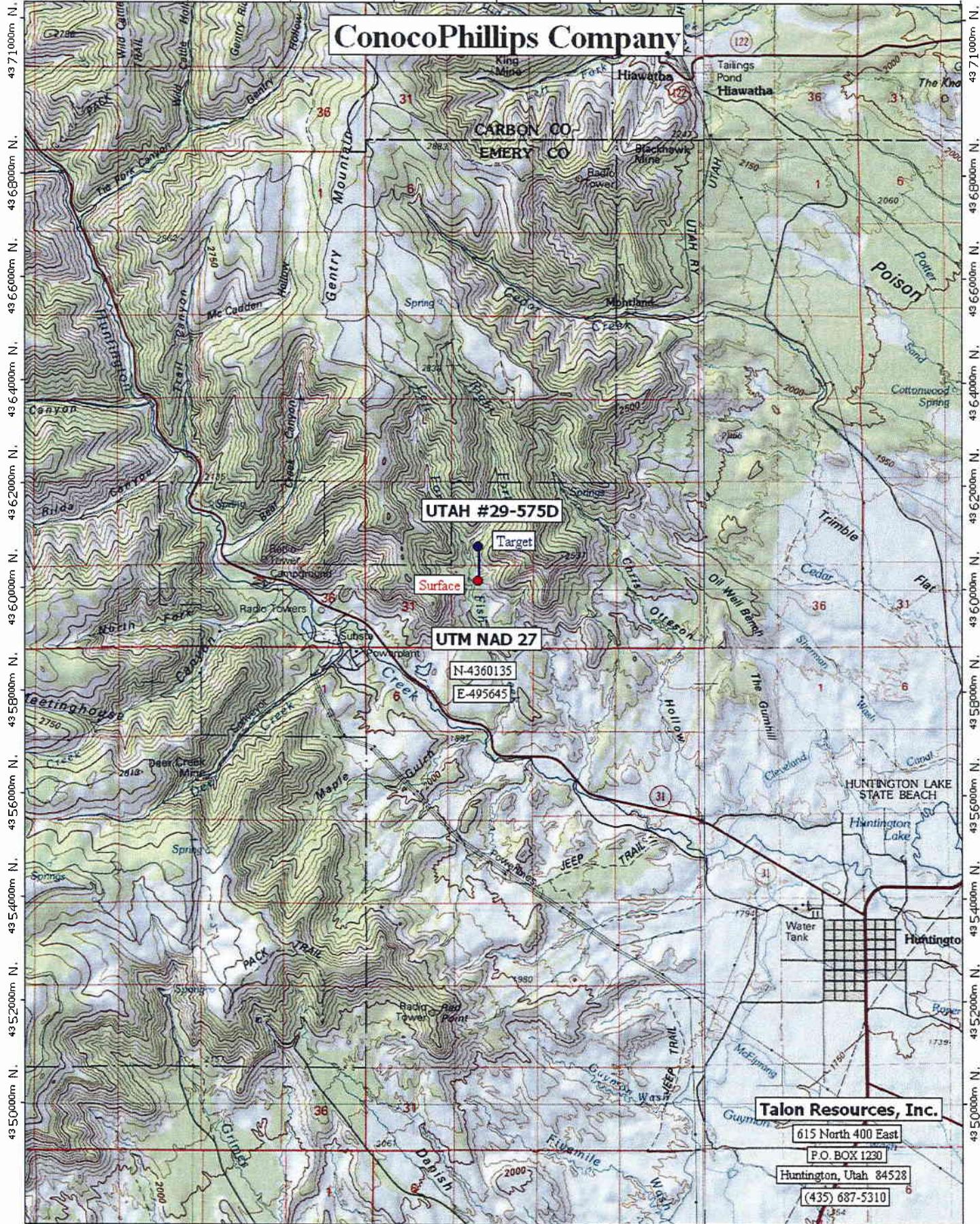
ConocoPhillips Company

6825 South 5300 West  
 P.O. Box 851  
 Price, Utah 84501  
 Phone: (435) 613-9777  
 Fax: (435) 613-9782

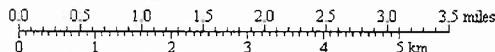


**WELL UTAH #29-575D**  
 Section 32, T16S, R8E, S.L.B.&M.  
 Drawing L-1 4 of 4

488000m E. 490000m E. 492000m E. 494000m E. 496000m E. 498000m E. 500000m E. NAD27 Zone 12S 505000m E.



TN MN  
12 1/2°



Map created with TOPO! ©2003 National Geographic (www.nationalgeographic.com/topo)

488000m E. 490000m E. 492000m E. 494000m E. 496000m E. 498000m E. 500000m E. NAD27 Zone 12S 505000m E.

**13. Company Representative**

Jean Semborski  
Construction/Asset Integrity Supervisor  
ConocoPhillips Company  
P.O. Box 851  
6825 South 5300 West  
Price, Utah 84501  
(435) 613-9777  
(435) 820-9807

Mail Approved A.P.D. To:

Donna Williams  
Sr. Regulatory Analyst  
ConocoPhillips Company  
P.O. Box 51810  
Midland, Texas 79710

Excavation Contractor

Larry Jensen, Vice President  
Nelco Contractors Inc.  
(435) 637-3495  
(435) 636-5268

**14. Certification**

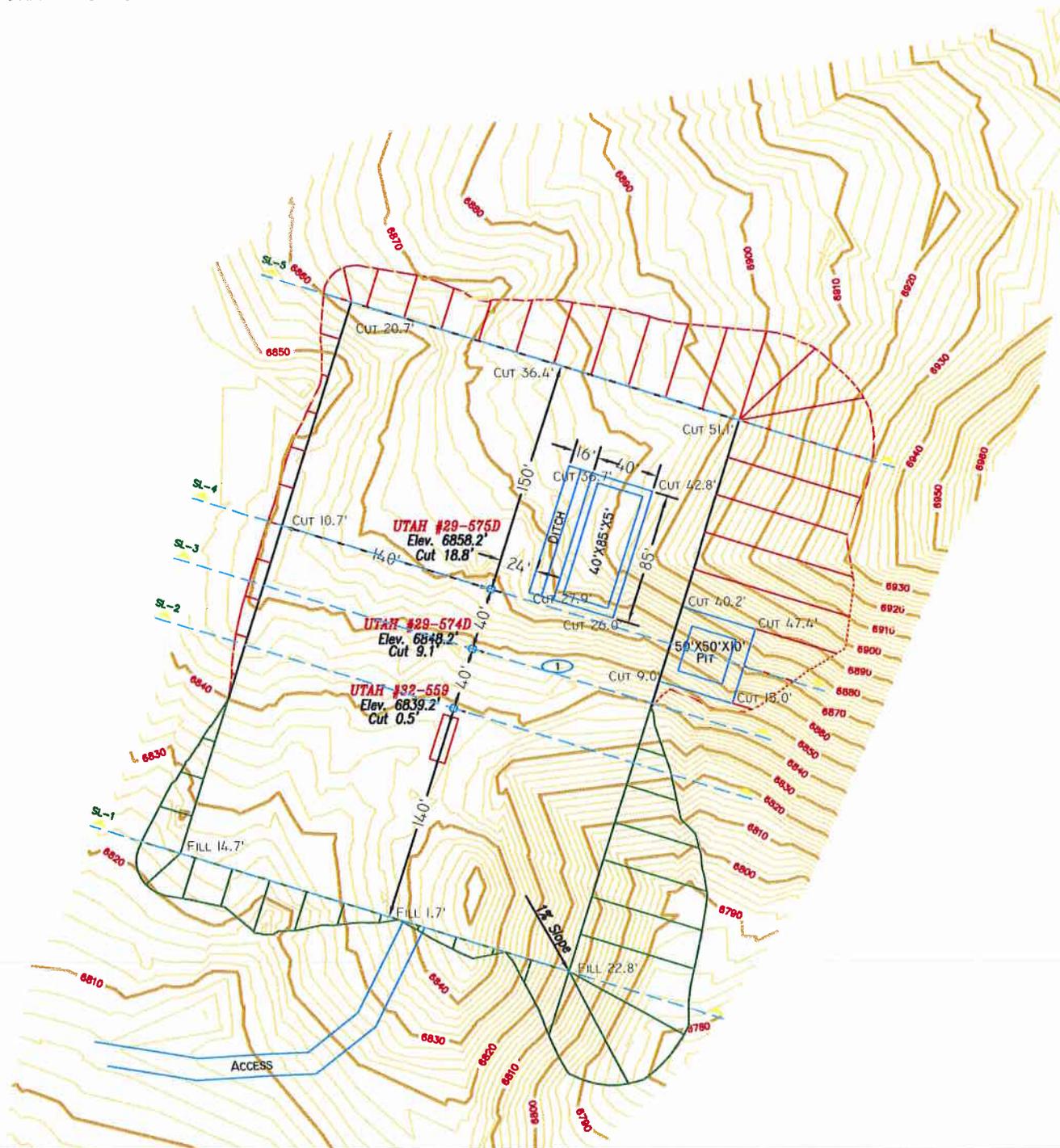
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by ConocoPhillips Company and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

8/15/07  
Date

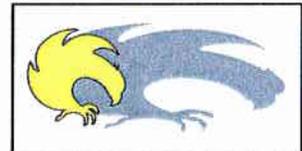
  
\_\_\_\_\_  
Donna Williams  
Sr. Regulatory Analyst  
ConocoPhillips Company

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 6858.2'

ELEVATION OF GRADED GROUND AT LOCATION STAKE = 6839.4'



CUT SLOPE = 1 : 1  
 FILL SLOPE = 1 1/2 : 1  
 PIT SLOPE = 1 : 1



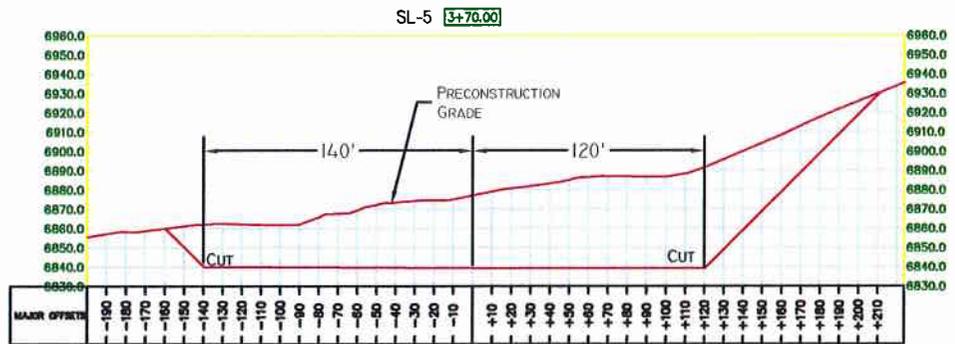
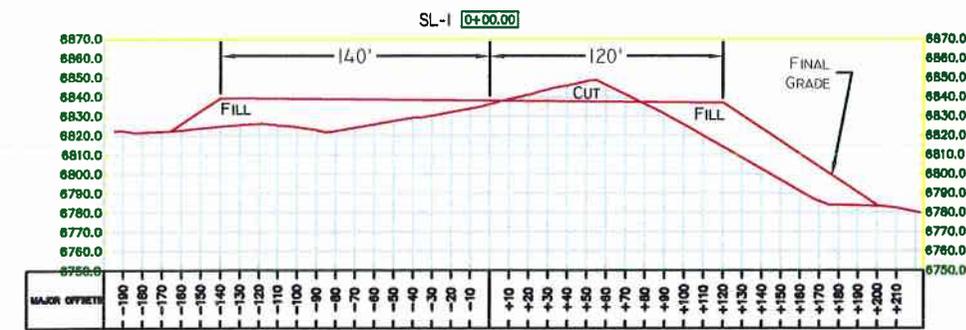
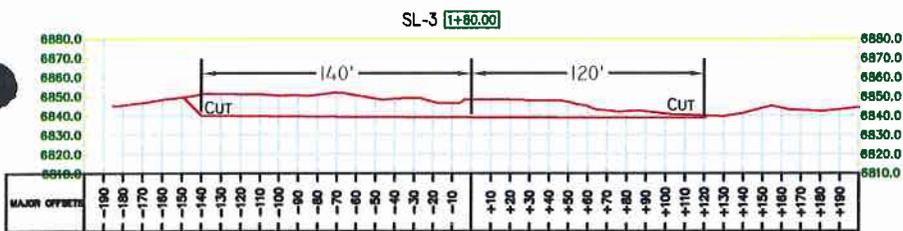
**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talonsetv.net



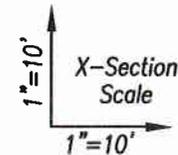
ConocoPhillips Company  
**LOCATION LAYOUT**  
 Section 32, T16S, R8E, S.L.B.&M.  
**WELL UTAH #29-575D**

Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>A-2</b>	Date: <b>10/9/07</b>
	Scale: <b>1" = 100'</b>
Sheet <b>2</b> of <b>4</b>	Job No. <b>3105-C</b>

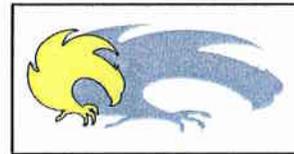


APPROXIMATE YARDAGES

(6") TOPSOIL STRIPPING = 1,785 CU. YDS.  
 TOTAL CUT (INCLUDING PIT) = 82,225 CU. YDS.  
 TOTAL FILL = 20,764 CU. YDS.



CUT SLOPE = 1 : 1  
 FILL SLOPE = 1 1/2 : 1  
 PIT SLOPE = 1 : 1



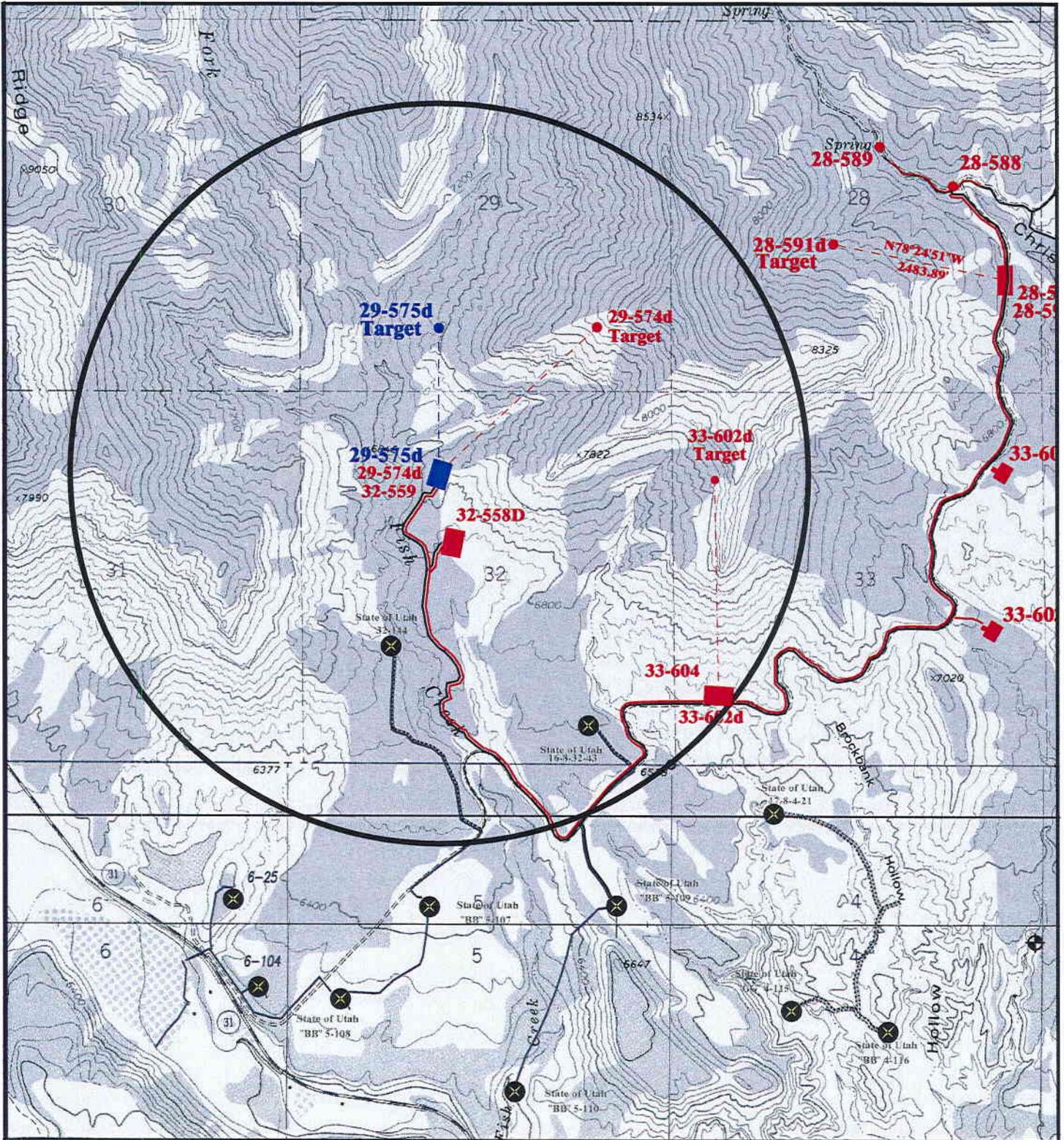
**TALON RESOURCES, INC.**

615 North 400 East P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talonsetv.net



ConocoPhillips Company  
 TYPICAL CROSS SECTION  
 Section 32, T16S, R8E, S.L.B.&M.  
 WELL UTAH #29-575D

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. C-1	Date: 10/9/07
	Scale: 1" = 100'
Sheet 3 of 4	Job No. 3105-C



**LEGEND**

- Proposed Well Location: ■
- Other Proposed Well Locations: ■
- Proposed Pipeline: —
- Proposed Roads: —
- XTO Energy Existing Wells ⊗



Scale: 1" = 2000'

October 12, 2007

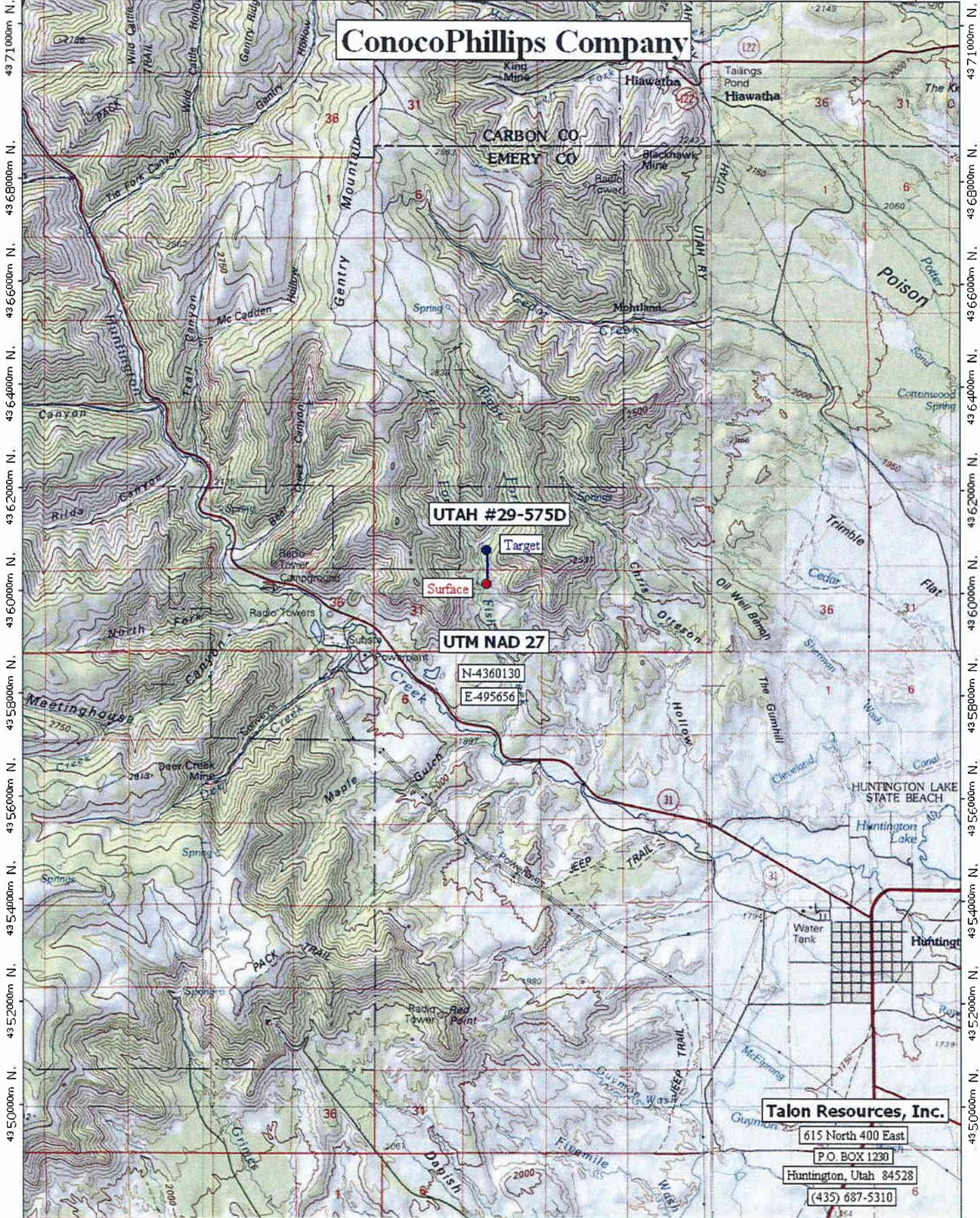
**ConocoPhillips Company**

6825 South 5300 West  
 P.O. Box 851  
 Price, Utah 84501  
 Phone: (435) 613-9777  
 Fax: (435) 613-9782

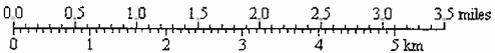


**WELL UTAH #29-575D**  
 Section 32, T16S, R8E, S.L.B.&M.  
 Drawing L-1 4 of 4

488000m E, 490000m E, 492000m E, 494000m E, 496000m E, 498000m E, 500000m E, NAD27 Zone 12S 504000m E



488000m E, 490000m E, 492000m E, 494000m E, 496000m E, 498000m E, 500000m E, NAD27 Zone 12S 504000m E



UTAH #29-575D (TARGET)

UTAH #29-574D (TARGET)

UTAH #32-559



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Google™



ConocoPhillips Company  
3300 N. 'A' St. Bldg. 6  
Midland, TX 79705

October 16, 2007

Ms. Diana Whitney  
Utah Division of Oil, Gas, and Mining  
1594 W North Temple, Suite 1210  
Salt Lake City, Utah 84116

RE: Directional Drilling Request  
Utah 29-575D  
NENW of 32-16S-8E to the SESW of 29-16S-8E  
Emery County, Utah

Ladies and Gentlemen:

ConocoPhillips Company respectfully request approval to directionally drill to approximately 2175.78 north of the original surface location. This request is due to the topography which prevented the surface location from being located at that point. We are requesting approval to directionally drill from a surface location of 1118.78 FNL & 1972.94 FWL (NENW) of 32-16S to a proposed bottomhole location of 1057 FSL & 1935 FWL (SESW) of 29-16S-8E. Furthermore, COP is the owner/operator of a radius of 460' along the terminus of the entire lateral to be drilled.

Should you have any questions, or need additional information, please do not hesitate to contact me at 432-688-6943.

Sincerely,

Donna Williams  
Sr. Regulatory Specialist

**RECEIVED**

**OCT 22 2007**

**DIV. OF OIL, GAS & MINING**

**From:** Jim Davis  
**To:** Mason, Diana  
**Date:** 10/25/2007 3:21 PM  
**Subject:** Well Approval

**CC:** Donna.J.Williams@conocophillips.com; Garrison, LaVonne; Higgins, Kurt;...  
SITLA has reviewed the sundry notice for the change of location of the Utah 29-559 (API 4301530732). Approval for the new location is hereby granted.  
Also, I just got off the phone with LaVonne Garrison. The agreement for the Utah 29-575D having been signed by all the concerned parties, SITLA hereby grants approval of the Utah 29-575D well (API 4301530731), which is going to be built on the same location as the 29-559 well.  
Thanks.  
-Jim Davis

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

## Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

October 26, 2007

ConocoPhillips company  
P O Box 51810  
Midland, TX 79710

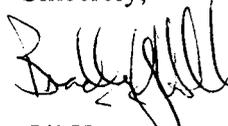
Re: Utah 29-575D Well, 1118 FNL, 1972' FWL, NE NW, Sec. 32, T. 16 South, R. 8 East,  
Bottom Location 1057' FSL, 1935' FWL, SE SW, Sec. 29, T. 16 South, R. 8 East,  
Emery County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-015-30731.

Sincerely,

  
to Gil Hunt  
Associate Director

pab  
Enclosures

cc: Emery County Assessor  
SITLA

Operator: ConocoPhillips company  
Well Name & Number Utah 29-575D  
API Number: 43-015-30731  
Lease: ML-48389

Location: NE NW Sec. 32 T. 16 South R. 8 East  
Bottom Location: SE SW Sec. 29 T. 16 South R. 8 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Page 2

43-015-30731

October 26, 2007

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: CONOCOPHILLIPS COMPANY

Well Name: UTAH 29-575D

Api No: <sup>015</sup>43-15-30731 Lease Type: STATE

Section 32 Township 16S Range 08E County EMERY

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

### SPUDDED:

Date 11/02/07

Time \_\_\_\_\_

How DRY

**Drilling will Commnce:** \_\_\_\_\_

Reported by JIM BENSON

Telephone # (281) 560-2800

Date 11/07/07 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>BHL: ML48389</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
		7. UNIT or CA AGREEMENT NAME: <b>N/A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Utah 29-575D</b>
2. NAME OF OPERATOR: <b>ConocoPhillips Company</b>		9. API NUMBER: <b>4301530731</b>
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY <b>Midland</b> STATE <b>Tx</b> ZIP <b>79710</b>		10. FIELD AND POOL, OR WILDCAT: <b>Buzzard Bench</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1118.78 FNL &amp; 1972.94 FWL</b>		COUNTY: <b>Emery</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 32 16S 8E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>11/3/2007</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u><b>Spud</b></u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well spud (conductor @ 40') on November 3, 2007.

NAME (PLEASE PRINT) <b>Donna Williams</b>	TITLE <b>Sr. Regulatory Specialist</b>
SIGNATURE	DATE <b>11/12/2007</b>

(This space for State use only)

**RECEIVED**

**NOV 13 2007**

DIV. OF OIL, GAS & MINING

ENTITY ACTION FORM

Operator: ConocoPhillips Company Operator Account Number: N 2335  
 Address: P. O. Box 51810  
city Midland  
state TX zip 79710-1810 Phone Number: (432) 688-6943

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301530731	Utah 29-575D		NENW	32	16S	8E	Emery
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16490	11/3/2007		11/26/07		
Comments: FRSD BHL = Sec 29 SWSE							

Well 2

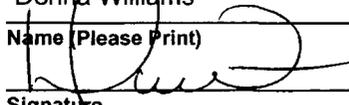
API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Donna Williams  
 Name (Please Print)  
  
 Signature  
 Sr. Regulatory Specialist  
 Title  
 11/13/2007  
 Date

RECEIVED

NOV 16 2007

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-48389 (BHL)**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**N/A**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:  
**N/A**

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**Utah 29-575D**

2. NAME OF OPERATOR:  
**ConocoPhillips Company**

9. API NUMBER:  
**4301530731**

3. ADDRESS OF OPERATOR:  
P.O. Box 51810 CITY **Midland** STATE **Tx** ZIP **79710**

PHONE NUMBER:  
**(432) 688-6943**

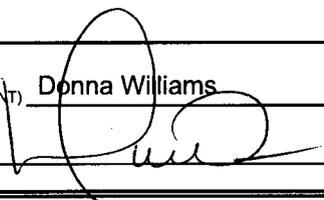
10. FIELD AND POOL, OR WLD/CAT:  
**Drunkards Wash**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **1118 FNL & 1972 FWL** COUNTY: **Emery**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENW 32 16S 8E** STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>11/26/2007</b>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u><b>Weekly Report</b></u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above well spud on 11/3/07 (conductor only). On 11/15/07, began drilling operations. Drilled to 438.29'. Ran 9 5/8" 36# surface casing and set at 427.60'. Cemented w/245 sxs. Circulated to surface. WOC. Drilled out under surface and continued drilling operations. Drilling 8 1/2" hole to TD of 5400' MD on 11/24/07. Ran 5 1/2" 17# casing and set at 5385' MD. Pumped Stage 1: Lead w/45 sxs 35/65 Poz and tail w/145 sxs 'G'. DV Tool at 4673'. Did not circulate to surface or bump latch in wiper plug. Ran temperature survey from surface to DV tool at 4673' MD. Could not work past DV tool. No cement from DV tool to surface. Cement Second Stage through DV tool at 4673' MD w/538 sxs 35/65 Poz and tail w/100 sxs 'G'. Bumped plug and closed DV tool. Had no returns to surface. W/o additional cement equipment.

NAME (PLEASE PRINT) **Donna Williams** TITLE **Sr. Regulatory Specialist**  
SIGNATURE  DATE **11/26/2007**

(This space for State use only)

**RECEIVED**  
**NOV 29 2007**  
DIV. OF OIL, GAS & MINING

**NOTICE OF LATE REPORTING  
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
  
- Within 30 days after the completion or plugging of a well, the following shall be filed:
  - Form 8, Well Completion or Recompletion Report and Log
  - A copy of electric and radioactivity logs, if run
  - A copy of drillstem test reports,
  - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
  - A copy of core analyses, and lithologic logs or sample descriptions if compiled
  - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

---

As of the mailing of this notice, the division has not received the required reports for

Operator: ConocoPhillips Company Today's Date: 04/21/2008

Well:	API Number:	Drilling Commenced:
Utah 32-559	4301530732	11/02/2007
Utah 29-575D    16S    8E    32	4301530731	11/02/2007
LDS 28-860	4300731331	12/14/2007
Critchlow 34-868	4300731325	12/18/2007

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please contact Rachel Medina  
at (801) 538-5260.

cc: Well File  
Compliance File

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-48389 (BHL)</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
1. TYPE OF WELL <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____		8. WELL NAME and NUMBER: <b>Utah 29-575D</b>
2. NAME OF OPERATOR: <b>ConocoPhillips Company</b>		9. API NUMBER: <b>4301530731</b>
3. ADDRESS OF OPERATOR: <b>P. O. Box 51810</b> CITY <b>Midland</b> STATE <b>TX</b> ZIP <b>79710</b>		10. FIELD AND POOL, OR WILDCAT: <b>Drunkards Wash</b>
		PHONE NUMBER: <b>(432) 688-6943</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1118 FNL &amp; 1972 FWL</b>		COUNTY: <b>Emery</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 32 16 8</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: <b>6/1/2008</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Start completion operations</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above referenced well completed drilling operations and the drilling rig was released on 11/26/2007. Completion operations were delayed due to weather conditions. We are estimating the completion operations will begin on June 1, 2008.

NAME (PLEASE PRINT) <b>Donna Williams</b>	TITLE <b>Sr. Regulatory Specialist</b>
SIGNATURE	DATE <b>4/29/2008</b>

(This space for State use only)

**RECEIVED**  
**MAY 05 2008**  
DIV. OF OIL, GAS & MINING

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

Operator: Conocophillips Company Account: N2335 Today's Date: 10/23/2008

Problems:

- Late Report(s)
- Inaccurate Report(s)
- Incomplete Report(s)
- Other: \_\_\_\_\_

Failure to submit reports in a timely, accurate, and complete manner may result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

**To avoid compliance action, these reporting problems should be resolved within 7 days.**

Send reports to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Fax to: 32 165 8e  
(801) 359-3940

Type of Report	Month(s) of Problem Report		
<input type="checkbox"/> Production – Form 10 <input type="checkbox"/> Disposition – Form 11 <input type="checkbox"/> Gas Plant – Form 13 <input type="checkbox"/> Enhanced Recovery – UIC Form 2 <input type="checkbox"/> Injection – UIC Form 3 <input type="checkbox"/> Other _____			
Type of Report	Well Name(s)	API Number(s)	Drilling Commenced
<input type="checkbox"/> Spud Notice – Form 9 <input checked="" type="checkbox"/> Drilling Reports – Form 9 <input type="checkbox"/> Well Completion Report – Form 8 <input type="checkbox"/> Other _____	Utah 32-559 Utah 29-575D Critchlow 34-868  <input type="checkbox"/> List Attached	4301530732 4301530731 4300731325	11/02/2007 11/02/2007 12/18/2007

Description of Problem:

Pre R649-3-6 2.4 The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notices and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month.

If you have questions or concerns regarding this matter, please contact Rachel Medina at (801) 538-5260 .

cc: Compliance File  
RAM  
Well File  
CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML 48389 (BHL)</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>N/A</b>
1. TYPE OF WELL <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____		7. UNIT or CA AGREEMENT NAME: <b>N/A</b>
2. NAME OF OPERATOR: <b>ConocoPhillips Company</b>		8. WELL NAME and NUMBER: <b>Utah 29-575D</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 51810</b> CITY <b>Midland</b> STATE <b>Tx</b> ZIP <b>79710</b>		9. API NUMBER: <b>4301530731</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1118 FNL &amp; 1972 FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 32 16S 8E</b>		COUNTY: <b>Emery</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: <b>10/29/2008</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Status</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that as of the date of this sundry, this well is being scheduled for a frac job and continued completion operation.

NAME (PLEASE PRINT) <b>Donna Williams</b>	TITLE <b>Sr. Regulatory Specialist</b>
SIGNATURE	DATE <b>10/29/2008</b>

(This space for State use only)

**RECEIVED**  
**NOV 03 2008**  
**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

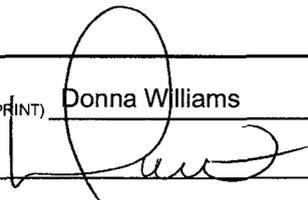
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 48389 (BHL)
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY Midland STATE Tx ZIP 79710		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1118 FNL & 1972 FWL COUNTY: Emery		8. WELL NAME and NUMBER: Utah 29-575D
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 32 16S 8E STATE: UTAH		9. API NUMBER: 4301530731
		10. FIELD AND POOL, OR WILDCAT: Undesignated

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/23/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>First Sales</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above well had first sales on December 23, 2008. The well is making 2 mcf/d and 170 bbls water.

NAME (PLEASE PRINT) <u>Donna Williams</u>	TITLE <u>Sr. Regulatory Specialist</u>
SIGNATURE 	DATE <u>1/6/2009</u>

(This space for State use only)

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML 48389 (BHL)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT or CA AGREEMENT NAME  
N/A

8. WELL NAME and NUMBER:  
Utah 29-575

2. NAME OF OPERATOR:  
ConocoPhillips Company

9. API NUMBER:  
4301530731

3. ADDRESS OF OPERATOR:  
P.O. Box 51810 CITY Midland STATE TX ZIP 79710

PHONE NUMBER:  
(432) 688-6943

10. FIELD AND POOL, OR WILDCAT  
Undesignated

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1118 FNL & 1972 FWL (32-16S-8E)  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
AT TOTAL DEPTH: 1074 fsi 1926 fwi per HSM review

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NENW 32 16S 8E

12. COUNTY  
Emery

13. STATE  
UTAH

14. DATE SPUNDED:  
11/3/2007

15. DATE T.D. REACHED:  
11/26/2007

16. DATE COMPLETED:  
11/29/2008 ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
6860.8 GL

18. TOTAL DEPTH: MD 5,400 TVD 4628

19. PLUG BACK T.D.: MD 5,330 TVD 4558

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
Attached  
GIR, PNN, CCL, Processed, CBL, CCL

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	9 5/8 J55	36#	0	428		245		Surface	
7 7/8	5 1/2 M80	17#	0	5,385		828		Surface	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	5,134							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Ferron	4,893	4,977		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,893 4,904	2 spf	22	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,928 4,977	2 spf	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4893-4977	F w/3971 bbls lightning 18 + 269439# 16/30 white sand + 16129# 14/30 flexsand

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:

Producing

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/23/2008		TEST DATE: 12/23/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 170	PROD. METHOD: Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 170	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

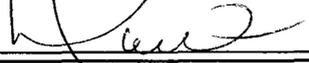
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Formation Tops to be submitted on a sundry at a later date	

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Donna Williams TITLE Sr. Regulatory Specialist  
 SIGNATURE  DATE 3/10/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top -- Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

# ConocoPhillips

Emery County, Utah

Sec.32-T16S-R8E

29-575

Wellbore #1

Design: Original Hole

## Sperry Drilling Services Combo Report

30 November, 2007

Well Coordinates: 6,947,820.58 N, 1,767,174.18 E (39° 23' 33.50" N, 111° 03' 05.30" W)

Ground Level: 6,836.00 ft

Local Coordinate Origin:	Centered on Well 29-575
Viewing Datum:	rkbe @ 6850.00ft (Original Well Elev)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet

Geodetic Scale Factor Applied

Version: 2003.14 Build: 82

**HALLIBURTON**

## Design Report for 29-575 - Wellbore #1 - Original Hole

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing (ft)	Easting (ft)	Northing (ft)	Easting (ft)			
0.00	0.00	0.00	6,850.00	0.00	0.00 N	0.00 E	6,947,820.58	1,767,174.18	0.00	0.00	
449.00	0.70	150.70	6,401.01	448.99	2.39 S	1.34 E	6,947,818.20	1,767,175.53	0.16	-2.39	
511.00	1.40	357.50	6,339.02	510.98	1.97 S	1.49 E	6,947,818.62	1,767,175.68	3.31	-1.97	
574.00	5.60	351.50	6,276.15	573.85	1.85 N	1.01 E	6,947,822.43	1,767,175.18	6.68	1.85	
636.00	10.00	353.70	6,214.74	635.26	10.19 N	0.03 W	6,947,830.77	1,767,174.10	7.11	10.19	
699.00	14.00	355.00	6,153.13	696.87	23.23 N	1.30 W	6,947,843.80	1,767,172.77	6.36	23.23	
761.00	18.30	355.50	6,093.59	756.41	40.41 N	2.71 W	6,947,860.97	1,767,171.26	6.94	40.41	
824.00	21.70	0.90	6,034.39	815.61	61.92 N	3.31 W	6,947,882.48	1,767,170.56	6.14	61.92	
886.00	25.50	1.30	5,977.58	872.42	86.73 N	2.83 W	6,947,907.29	1,767,170.92	6.13	86.73	
949.00	29.50	2.50	5,921.71	928.29	115.80 N	1.84 W	6,947,936.36	1,767,171.76	6.41	115.80	
1,013.00	32.50	1.60	5,866.86	983.14	148.74 N	0.67 W	6,947,969.30	1,767,172.76	4.74	148.74	
1,075.00	35.60	359.60	5,815.50	1,034.50	183.44 N	0.33 W	6,948,004.01	1,767,172.93	5.32	183.44	
1,137.00	39.50	357.70	5,766.35	1,083.65	221.21 N	1.25 W	6,948,041.76	1,767,171.82	6.56	221.21	
1,200.00	43.10	359.50	5,719.03	1,130.97	262.76 N	2.24 W	6,948,083.31	1,767,170.62	6.02	262.76	
1,262.00	44.70	1.80	5,674.35	1,175.65	305.75 N	1.74 W	6,948,126.29	1,767,170.90	3.64	305.75	
1,325.00	43.70	1.00	5,629.18	1,220.82	349.65 N	0.67 W	6,948,170.20	1,767,171.76	1.82	349.65	
1,387.00	44.30	1.60	5,584.59	1,265.41	392.71 N	0.31 E	6,948,213.26	1,767,172.52	1.18	392.71	
1,450.00	45.60	1.10	5,540.00	1,310.00	437.20 N	1.36 E	6,948,257.75	1,767,173.34	2.14	437.20	
1,512.00	45.40	1.70	5,496.54	1,353.46	481.41 N	2.44 E	6,948,301.96	1,767,174.20	0.76	481.41	
1,574.00	44.70	1.50	5,452.74	1,397.26	525.27 N	3.66 E	6,948,345.83	1,767,175.21	1.15	525.27	
1,637.00	45.90	1.10	5,408.43	1,441.57	570.04 N	4.68 E	6,948,390.60	1,767,176.00	1.96	570.04	
1,699.00	45.70	1.20	5,365.20	1,484.80	614.48 N	5.57 E	6,948,435.04	1,767,176.67	0.34	614.48	
1,762.00	45.00	0.70	5,320.93	1,529.07	659.29 N	6.31 E	6,948,479.85	1,767,177.19	1.25	659.29	
1,824.00	44.20	0.30	5,276.78	1,573.22	702.82 N	6.69 E	6,948,523.38	1,767,177.35	1.37	702.82	
1,886.00	45.90	359.30	5,232.98	1,617.02	746.70 N	6.54 E	6,948,567.25	1,767,176.97	2.97	746.70	
1,949.00	45.60	359.20	5,189.02	1,660.98	791.82 N	5.94 E	6,948,612.37	1,767,176.15	0.49	791.82	
2,011.00	44.70	358.90	5,145.30	1,704.70	835.77 N	5.22 E	6,948,656.31	1,767,175.21	1.49	835.77	
2,073.00	45.70	358.40	5,101.61	1,748.39	879.75 N	4.18 E	6,948,700.28	1,767,173.95	1.71	879.75	
2,136.00	45.00	358.00	5,057.33	1,792.67	924.55 N	2.77 E	6,948,745.07	1,767,172.32	1.20	924.55	
2,196.00	44.30	358.20	5,014.65	1,835.35	966.69 N	1.37 E	6,948,787.20	1,767,170.71	1.19	966.69	
2,258.00	45.40	358.60	4,970.70	1,879.30	1,010.40 N	0.15 E	6,948,830.90	1,767,169.27	1.83	1,010.40	
2,321.00	44.70	359.00	4,926.19	1,923.81	1,054.98 N	0.78 W	6,948,875.46	1,767,168.11	1.20	1,054.98	
2,383.00	45.70	359.00	4,882.50	1,967.50	1,098.96 N	1.55 W	6,948,919.44	1,767,167.12	1.61	1,098.96	
2,446.00	45.00	358.60	4,838.23	2,011.77	1,143.77 N	2.49 W	6,948,964.24	1,767,165.96	1.20	1,143.77	
2,508.00	45.90	358.70	4,794.73	2,055.22	1,187.94 N	3.53 W	6,949,008.40	1,767,164.70	1.46	1,187.94	
2,570.00	45.40	358.80	4,751.39	2,098.61	1,232.27 N	4.49 W	6,949,052.72	1,767,163.51	0.81	1,232.27	
2,633.00	44.60	359.10	4,706.84	2,143.16	1,276.81 N	5.31 W	6,949,097.25	1,767,162.47	1.31	1,276.81	
2,695.00	45.60	359.50	4,663.08	2,186.92	1,320.72 N	5.85 W	6,949,141.16	1,767,161.71	1.68	1,320.72	
2,758.00	44.80	359.50	4,618.69	2,231.31	1,365.42 N	6.24 W	6,949,185.85	1,767,161.10	1.27	1,365.42	
2,820.00	45.30	0.80	4,574.89	2,275.11	1,409.30 N	6.12 W	6,949,229.73	1,767,160.99	1.69	1,409.30	

Design Report for 29-575 - Wellbore #1 - Original Hole

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing	Easting	Northing	Easting			
2,882.00	44.10	0.80	4,530.82	2,319.18	1,452.90 N	5.51 W	6,949,273.33	1,767,161.38	1.94	1,452.90	
2,945.00	44.40	1.80	4,485.69	2,364.31	1,496.85 N	4.51 W	6,949,317.28	1,767,162.16	1.21	1,496.85	
3,007.00	43.20	1.80	4,440.94	2,409.06	1,539.74 N	3.16 W	6,949,360.18	1,767,163.30	1.94	1,539.74	
3,070.00	41.10	1.20	4,394.24	2,455.76	1,582.00 N	2.05 W	6,949,402.44	1,767,164.19	3.39	1,582.00	
3,132.00	38.80	0.40	4,346.71	2,503.29	1,621.81 N	1.49 W	6,949,442.24	1,767,164.56	3.80	1,621.81	
3,194.00	37.10	359.80	4,297.82	2,552.18	1,659.93 N	1.42 W	6,949,480.37	1,767,164.44	2.81	1,659.93	
3,257.00	34.50	359.70	4,246.73	2,603.27	1,696.78 N	1.58 W	6,949,517.21	1,767,164.09	4.13	1,696.78	
3,319.00	34.40	357.90	4,195.60	2,654.40	1,731.84 N	2.31 W	6,949,552.27	1,767,163.18	1.65	1,731.84	
3,382.00	34.10	354.90	4,143.52	2,706.48	1,767.22 N	4.54 W	6,949,587.63	1,767,160.78	2.72	1,767.22	
3,444.00	33.80	354.20	4,092.09	2,757.91	1,801.69 N	7.82 W	6,949,622.08	1,767,157.32	0.79	1,801.69	
3,506.00	32.90	354.10	4,040.30	2,809.70	1,835.59 N	11.30 W	6,949,655.96	1,767,153.68	1.45	1,835.59	
3,569.00	32.00	356.00	3,987.14	2,862.86	1,869.27 N	14.22 W	6,949,689.62	1,767,150.59	2.16	1,869.27	
3,631.00	30.50	354.80	3,934.13	2,915.87	1,901.33 N	16.79 W	6,949,721.66	1,767,147.85	2.62	1,901.33	
3,694.00	29.30	354.40	3,879.52	2,970.48	1,932.59 N	19.75 W	6,949,752.91	1,767,144.74	1.93	1,932.59	
3,756.00	28.10	353.40	3,825.14	3,024.86	1,962.20 N	22.90 W	6,949,782.50	1,767,141.44	2.08	1,962.20	
3,818.00	26.70	352.30	3,770.09	3,079.91	1,990.50 N	26.45 W	6,949,810.78	1,767,137.75	2.40	1,990.50	
3,881.00	24.50	354.10	3,713.28	3,136.72	2,017.53 N	29.69 W	6,949,837.79	1,767,134.38	3.70	2,017.53	
3,943.00	23.20	352.80	3,656.58	3,193.42	2,042.43 N	32.54 W	6,949,862.68	1,767,131.40	2.26	2,042.43	
4,005.00	21.20	354.60	3,599.17	3,250.83	2,065.71 N	35.13 W	6,949,885.94	1,767,128.70	3.41	2,065.71	
4,068.00	20.40	353.60	3,540.28	3,309.72	2,087.96 N	37.42 W	6,949,908.18	1,767,126.29	1.39	2,087.96	
4,130.00	18.30	355.30	3,481.79	3,368.21	2,108.41 N	39.43 W	6,949,928.61	1,767,124.19	3.51	2,108.41	
4,192.00	16.70	356.10	3,422.66	3,427.34	2,127.00 N	40.83 W	6,949,947.19	1,767,122.69	2.61	2,127.00	
4,255.00	14.70	357.70	3,362.01	3,487.99	2,144.02 N	41.77 W	6,949,964.21	1,767,121.67	3.25	2,144.02	
4,317.00	12.80	357.10	3,301.79	3,548.21	2,158.74 N	42.43 W	6,949,978.92	1,767,120.93	3.07	2,158.74	
4,379.00	10.70	357.50	3,241.09	3,608.91	2,171.35 N	43.03 W	6,949,991.53	1,767,120.27	3.39	2,171.35	
4,442.00	8.60	3.90	3,178.99	3,671.01	2,181.89 N	42.96 W	6,950,002.07	1,767,120.28	3.74	2,181.89	
4,504.00	6.00	357.60	3,117.49	3,732.51	2,189.75 N	42.78 W	6,950,009.94	1,767,120.42	4.38	2,189.75	
4,566.00	4.40	3.10	3,055.75	3,794.25	2,195.37 N	42.79 W	6,950,015.55	1,767,120.39	2.70	2,195.37	
4,629.00	2.10	13.80	2,992.85	3,857.15	2,198.90 N	42.38 W	6,950,019.08	1,767,120.77	3.76	2,198.90	
4,691.00	0.20	172.90	2,930.87	3,919.13	2,199.90 N	42.10 W	6,950,020.08	1,767,121.05	3.69	2,199.90	
4,726.87	0.72	189.97	2,895.00	3,955.00	2,199.62 N	42.13 W	6,950,019.80	1,767,121.02	1.47	2,199.62	29-575 Zone Tgt
4,753.00	1.10	192.20	2,868.87	3,981.13	2,199.21 N	42.21 W	6,950,019.39	1,767,120.94	1.47	2,199.21	
4,816.00	0.80	203.10	2,805.88	4,044.12	2,198.21 N	42.51 W	6,950,018.40	1,767,120.65	0.55	2,198.21	
4,878.00	1.00	199.90	2,743.89	4,106.11	2,197.31 N	42.87 W	6,950,017.49	1,767,120.30	0.33	2,197.31	
4,940.00	1.00	191.00	2,681.90	4,168.10	2,196.27 N	43.15 W	6,950,016.45	1,767,120.02	0.25	2,196.27	
5,003.00	0.80	198.10	2,618.90	4,231.10	2,195.31 N	43.39 W	6,950,015.49	1,767,119.78	0.36	2,195.31	
5,065.00	0.90	202.40	2,556.91	4,293.09	2,194.45 N	43.71 W	6,950,014.62	1,767,119.47	0.19	2,194.45	
5,128.00	0.70	195.20	2,493.92	4,356.06	2,193.62 N	44.00 W	6,950,013.79	1,767,119.18	0.35	2,193.62	
5,190.00	0.80	206.90	2,431.92	4,418.08	2,192.87 N	44.30 W	6,950,013.04	1,767,118.89	0.29	2,192.87	

# HALLIBURTON

## Design Report for 29-575 - Wellbore #1 - Original Hole

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Map Coordinates (ft)		Dogleg Rate (°/100ft)	Vertical Section (ft)	Comments
					Northing	Easting	Northing	Easting			
5,252.00	0.60	210.00	2,369.93	4,480.07	2,192.20 N	44.66 W	6,950,012.37	1,767,118.53	0.33	2,192.20	
5,315.00	0.60	231.50	2,306.93	4,543.07	2,191.71 N	45.08 W	6,950,011.88	1,767,118.11	0.36	2,191.71	
5,346.00	0.50	259.60	2,275.93	4,574.07	2,191.58 N	45.34 W	6,950,011.75	1,767,117.85	0.92	2,191.58	
5,396.93	0.50	259.60	2,225.00	4,625.00	2,191.50 N	45.78 W	6,950,011.67	1,767,117.42	0.00	2,191.50	TD Projection - 29-575 BH Tgt

### Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates (ft)		Comment
		+N/-S	+E/-W	
5,397.00	4,625.07	2,191.50	-45.78	TD Projection

### Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin (ft)		Start TVD (ft)
				+N/_S	+E/-W	
User	No Target (Freehand)	0.00	Slot	0.00	0.00	0.00

### Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
449.00	5,397.00	Utah 29-575D	MWD

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
29-575 BH Tgt	0.00	0.00	4,625.00	2,175.78	0.00	6,949,996.18	1,767,163.27	° 23' 55.003966 N	1° 3' 5.299944 W
- actual wellpath misses by 48.40ft at 5396.57ft MD (4624.63 TVD, 2191.50 N, -45.77 E)									
- Point									
29-575 Zone Tgt	0.00	0.00	3,955.00	2,175.78	0.00	6,949,996.18	1,767,163.27	° 23' 55.003966 N	1° 3' 5.299944 W
- actual wellpath misses by 48.41ft at 4727.11ft MD (3955.24 TVD, 2199.61 N, -42.13 E)									
- Circle (radius 100.00)									

## North Reference Sheet for Sec.32-T16S-R8E - 29-575 - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.  
Vertical Depths are relative to rkte @ 6850.00ft (Original Well Elev). Northing and Easting are relative to 29-575

Coordinate System is US State Plane 1983, Utah Central Zone using datum North American Datum 1983, ellipsoid GRS 1980  
Projection method is Lambert Conformal Conic (2 parallel)  
Central Meridian is 111° 30' 0.000000 W°, Longitude Origin:0° 0' 0.000000 E°, Latitude Origin:40° 38' 60.000000 N°  
False Easting: 1,640,416.67ft, False Northing: 6,561,666.67ft, Scale Reduction: 0.99992844

Grid Coordinates of Well: 6,947,820.58 ft N, 1,767,174.18 ft E  
Geographical Coordinates of Well: 39° 23' 33.50" N, 111° 03' 05.30" W  
Grid Convergence at Surface is: 0.29°

Based upon Minimum Curvature type calculations, at a Measured Depth of 5,396.93ft  
the Bottom Hole Displacement is 2,191.98ft in the Direction of 358.80° (Grid).

Magnetic Convergence at surface is: -11.78° ( 8 October 2007, , BGGM2007)

